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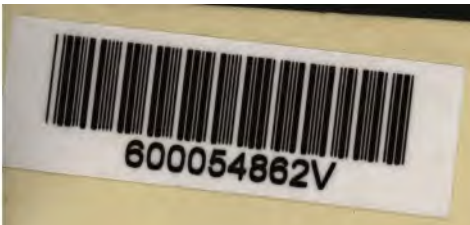
THE TIMBER MERCHANT AND BUILDER'S VADE MECUM.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THE

TIMBER MERCHANT

AND

BUILDER'S VADE MECUM.

BY

GEORGE BOUSFIELD.

THIRD EDITION,

Considerably Enlarged and Improved.

LONDON:
E. & F. N. SPON, 46, CHARING CROSS.
NEW YORK: 44, MURRAY STREET.
1884.

1863 e. 4

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PREFACE.

In issuing this Third Edition of the "Vade Mecum," I am much encouraged by the liberal patronage the previous Editions have received; and from the fact that so many improvements have now been made, I feel confident that it will meet with even a still more rapid sale, as the selection of Tables and Rules are such as will necessarily commend themselves to the requirements of a much greater variety of Subscribers.

Twenty-two new Tables have been introduced, and Three Dozen useful Rules for facilitating labour in calculation, by all the varied systems of measurement.

Three Tables have been expunged, viz.:—the Marks and Qualities of Deals, Wages Table, and the Short Treatise on the Slide Rule. The first on account of its obsoleteness, through constant changes; the second because of its non-specific character; and the third from the fact that it is my intention shortly to issue a separate book on the Slide Rule, and its adaptation to Timber Calculations.

From the expensive character of the work, I have been compelled to make a slight advance in price, which, however, I venture to say, is more than compensated for by the considerable increase in solid matter for practical uses to all connected with the Timber Trade.

GEORGE BOUSFIELD.

64, *Thomas Street, Hull.*

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THE

TIMBER MERCHANT'S VADE MECUM.

TABLE No. I.

SHOWING NUMBER OF RUNNING FEET CONTAINED IN A PETERSBURG STANDARD.

Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.
1/4 × 1	95,040	0	2 × 2 1/4	5,280	0	2 3/4 × 3 1/2	2,468	6
1/2 × 1	47,520	0	2 1/4 × 2 1/4	4,693	4	3 × 3 1/2	2,263	0
3/4 × 1	31,680	0	1/4 × 2 1/2	38,016	0	3 1/4 × 3 1/2	2,088	8
1 × 1	23,760	0	1/2 × 2 1/2	19,008	0	3 1/2 × 3 1/2	1,939	7
1/2 × 1 1/4	38,016	0	3/4 × 2 1/2	12,672	3	3 3/4 × 3 1/2	1,810	3
3/4 × 1 1/4	25,344	0	1 × 2 1/2	9,504	0	4 × 3 1/2	1,697	0
1 × 1 1/4	19,008	0	1 1/4 × 2 1/2	7,603	3	4 1/4 × 3 1/2	1,597	4
1 1/4 × 1 1/4	15,206	5	1 1/2 × 2 1/2	6,336	0	4 1/2 × 3 1/2	1,508	7
1/4 × 1 1/2	63,360	0	1 3/4 × 2 1/2	5,431	0	4 3/4 × 3 1/2	1,429	0
1/2 × 1 1/2	31,680	0	2 × 2 1/2	4,752	0	5 × 3 1/2	1,357	4
3/4 × 1 1/2	21,120	0	2 1/4 × 2 1/2	4,224	0	5 1/4 × 3 1/2	1,293	0
1 × 1 1/2	15,840	0	2 1/2 × 2 1/2	3,801	7	5 1/2 × 3 1/2	1,234	3
1 1/4 × 1 1/2	12,672	0	1/4 × 3	31,680	0	5 3/4 × 3 1/2	1,180	6
1 1/2 × 1 1/2	10,560	0	1/2 × 3	15,840	0	6 × 3 1/2	1,131	4
1/4 × 1 3/4	54,308	8	3/4 × 3	10,560	0	1/4 × 4	23,760	0
1/2 × 1 3/4	27,154	5	1 × 3	7,920	0	1/2 × 4	11,880	0
3/4 × 1 3/4	18,103	9	1 1/4 × 3	6,336	0	5/8 × 4	9,504	0
1 × 1 3/4	13,577	0	1 1/2 × 3	5,280	0	3/4 × 4	7,920	0
1 1/4 × 1 3/4	10,861	8	1 3/4 × 3	4,525	9	7/8 × 4	6,788	7
1 1/2 × 1 3/4	9,051	5	2 × 3	3,960	0	1 × 4	5,940	0
1 3/4 × 1 3/4	7,758	4	2 1/4 × 3	3,520	0	1 1/4 × 4	4,752	0
1/4 × 2	47,520	0	2 1/2 × 3	3,168	0	1 1/2 × 4	3,960	0
1/2 × 2	23,760	0	2 3/4 × 3	2,880	0	1 3/4 × 4	3,394	3
3/4 × 2	15,840	0	3 × 3	2,640	0	2 × 4	2,970	0
1 × 2	11,880	0	1/4 × 3 1/2	27,154	0	2 1/4 × 4	2,640	0
1 1/4 × 2	9,504	0	1/2 × 3 1/2	13,577	0	2 1/2 × 4	2,376	0
1 1/2 × 2	7,920	0	5/8 × 3 1/2	10,861	9	2 3/4 × 4	2,160	0
1 3/4 × 2	6,788	7	3/4 × 3 1/2	9,051	4	3 × 4	1,980	0
2 × 2	5,940	0	7/8 × 3 1/2	7,758	0	3 1/4 × 4	1,827	8
1/4 × 2 1/4	42,240	0	1 × 3 1/2	6,788	6	3 1/2 × 4	1,697	0
1/2 × 2 1/4	21,120	0	1 1/4 × 3 1/2	5,431	0	3 3/4 × 4	1,584	0
3/4 × 2 1/4	14,080	0	1 1/2 × 3 1/2	4,525	7	4 × 4	1,485	0
1 × 2 1/4	10,560	0	1 3/4 × 3 1/2	3,879	0	4 1/4 × 4	1,397	8
1 1/4 × 2 1/4	8,448	0	2 × 3 1/2	3,394	0	4 1/2 × 4	1,320	0
1 1/2 × 2 1/4	7,040	0	2 1/4 × 3 1/2	3,017	0	4 3/4 × 4	1,250	6
1 3/4 × 2 1/4	6,035	0	2 1/2 × 3 1/2	2,715	5	5 × 4	1,188	0

TABLE No. I.—*continued.*

Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.
5¼ × 4	1,131	5	4¼ × 5	1,118	0	3¼ × 6	1,218	6
5½ × 4	1,080	0	4½ × 5	1,056	0	3½ × 6	1,131	5
5¾ × 4	1,033	0	4¾ × 5	1,000	4	3¾ × 6	1,056	0
6 × 4	990	0	5 × 5	950	4	4 × 6	990	0
¼ × 4½	21,120	0	5¼ × 5	905	0	4¼ × 6	931	9
½ × 4½	10,560	0	5½ × 5	864	0	4½ × 6	880	0
⅝ × 4½	8,448	0	5¾ × 5	826	4	4¾ × 6	833	8
¾ × 4½	7,040	0	6 × 5	792	0	5 × 6	792	0
⅞ × 4½	6,034	0	¼ × 5½	17,280	0	5¼ × 6	754	3
1 × 4½	5,280	0	½ × 5½	8,640	0	5½ × 6	720	0
1¼ × 4½	4,224	0	⅝ × 5½	6,912	0	5¾ × 6	688	8
1½ × 4½	3,520	0	¾ × 5½	5,760	0	6 × 6	660	0
1¾ × 4½	3,017	0	⅞ × 5½	4,937	3	¼ × 6½	14,621	7
2 × 4½	2,640	0	1 × 5½	4,320	0	½ × 6½	7,310	9
2¼ × 4½	2,346	8	1¼ × 5½	3,456	0	⅝ × 6½	5,848	6
2½ × 4½	2,112	0	1½ × 5½	2,880	0	¾ × 6½	4,874	0
2¾ × 4½	1,920	0	1¾ × 5½	2,468	7	⅞ × 6½	4,178	0
3 × 4½	1,760	0	2 × 5½	2,160	0	1 × 6½	3,655	4
3¼ × 4½	1,624	7	2¼ × 5½	1,920	0	1¼ × 6½	2,924	4
3½ × 4½	1,508	7	2½ × 5½	1,728	0	1½ × 6½	2,437	0
3¾ × 4½	1,408	0	2¾ × 5½	1,571	0	1¾ × 6½	2,088	9
4 × 4½	1,320	0	3 × 5½	1,440	0	2 × 6½	1,827	8
4¼ × 4½	1,242	4	3¼ × 5½	1,329	0	2¼ × 6½	1,624	8
4½ × 4½	1,173	4	3½ × 5½	1,234	3	2½ × 6½	1,462	0
4¾ × 4½	1,111	8	3¾ × 5½	1,152	0	2¾ × 6½	1,329	3
5 × 4½	1,056	0	4 × 5½	1,080	0	3 × 6½	1,218	5
5¼ × 4½	1,005	8	4¼ × 5½	1,016	6	3¼ × 6½	1,124	8
5½ × 4½	960	0	4½ × 5½	960	0	3½ × 6½	1,044	5
5¾ × 4½	918	4	4¾ × 5½	909	8	3¾ × 6½	974	8
6 × 4½	880	0	5 × 5½	864	0	4 × 6½	913	9
¼ × 5	19,008	0	5¼ × 5½	823	0	4¼ × 6½	860	0
½ × 5	9,504	0	5½ × 5½	785	6	4½ × 6½	812	3
⅝ × 5	7,603	0	5¾ × 5½	751	4	4¾ × 6½	769	7
¾ × 5	6,336	0	6 × 5½	720	0	5 × 6½	731	0
⅞ × 5	5,431	0	¼ × 6	15,840	0	5½ × 6½	696	3
1 × 5	4,752	0	½ × 6	7,920	0	5⅝ × 6½	664	7
1¼ × 5	3,801	6	⅝ × 6	6,336	0	5¾ × 6½	636	0
1½ × 5	3,168	0	¾ × 6	5,280	0	6 × 6½	609	3
1¾ × 5	2,715	4	⅞ × 6	4,526	0	¼ × 7	13,577	0
2 × 5	2,376	0	1 × 6	3,960	0	½ × 7	6,788	6
2¼ × 5	2,112	0	1¼ × 6	3,168	0	⅝ × 7	5,431	0
2½ × 5	1,900	8	1½ × 6	2,640	0	¾ × 7	4,525	9
2¾ × 5	1,728	0	1¾ × 6	2,263	0	⅞ × 7	3,879	0
3 × 5	1,584	0	2 × 6	1,980	0	1 × 7	3,394	0
3¼ × 5	1,462	0	2¼ × 6	1,760	0	1¼ × 7	2,715	5
3½ × 5	1,357	7	2½ × 6	1,584	0	1½ × 7	2,263	0
3¾ × 5	1,267	0	2¾ × 6	1,440	0	1¾ × 7	1,939	8
4 × 5	1,188	0	3 × 6	1,320	0	2 × 7	1,697	0

TABLE No. I.—*continued.*

Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.
2¼ × 7	1,508	7	2¼ × 9	1,173	4	2¼ × 11	960	0
2½ × 7	1,357	7	2½ × 9	1,056	0	2½ × 11	864	0
2¾ × 7	1,234	3	2¾ × 9	960	0	2¾ × 11	785	5
3 × 7	1,131	5	3 × 9	880	0	3 × 11	720	0
3¼ × 7	1,044	5	3¼ × 9	812	4	3¼ × 11	664	7
3½ × 7	969	9	3½ × 9	754	3	3½ × 11	617	0
3¾ × 7	905	0	3¾ × 9	704	0	3¾ × 11	576	0
4 × 7	848	7	4 × 9	660	0	4 × 11	540	0
4¼ × 7	798	8	4¼ × 9	621	0	4¼ × 11	508	3
4½ × 7	754	3	4½ × 9	586	8	4½ × 11	480	0
4¾ × 7	714	7	4¾ × 9	556	0	4¾ × 11	455	0
5 × 7	678	8	5 × 9	528	0	5 × 11	432	0
5¼ × 7	646	5	5¼ × 9	503	0	5¼ × 11	411	5
5½ × 7	617	0	5½ × 9	480	0	5½ × 11	392	7
5¾ × 7	590	4	5¾ × 9	459	0	5¾ × 11	375	6
6 × 7	565	9	6 × 9	440	0	6 × 11	360	0
¼ × 8	11,880	0	¼ × 10	9,504	0	¼ × 12	7,920	0
½ × 8	5,940	0	½ × 10	4,752	0	½ × 12	3,960	0
¾ × 8	3,960	0	¾ × 10	3,168	0	¾ × 12	2,640	0
1 × 8	2,970	0	1 × 10	2,376	0	1 × 12	1,980	0
1¼ × 8	2,376	0	1¼ × 10	1,900	9	1¼ × 12	1,584	0
1½ × 8	1,980	0	1½ × 10	1,584	0	1½ × 12	1,320	0
1¾ × 8	1,697	0	1¾ × 10	1,357	8	1¾ × 12	1,131	5
2 × 8	1,485	0	2 × 10	1,188	0	2 × 12	990	0
2¼ × 8	1,320	0	2¼ × 10	1,056	0	2¼ × 12	880	0
2½ × 8	1,188	0	2½ × 10	950	5	2½ × 12	792	0
2¾ × 8	1,080	0	2¾ × 10	864	0	2¾ × 12	720	0
3 × 8	990	0	3 × 10	792	0	3 × 12	660	0
3¼ × 8	914	0	3¼ × 10	731	0	3¼ × 12	609	3
3½ × 8	848	7	3½ × 10	679	0	3½ × 12	565	8
3¾ × 8	792	0	3¾ × 10	633	7	3¾ × 12	528	0
4 × 8	742	6	4 × 10	594	0	4 × 12	495	0
4¼ × 8	699	0	4¼ × 10	559	0	4¼ × 12	465	11
4½ × 8	660	0	4½ × 10	528	0	4½ × 12	440	0
4¾ × 8	625	3	4¾ × 10	500	3	4¾ × 12	417	0
5 × 8	594	0	5 × 10	475	3	5 × 12	396	0
5¼ × 8	565	8	5¼ × 10	452	7	5¼ × 12	377	0
5½ × 8	540	0	5½ × 10	432	0	5½ × 12	360	0
5¾ × 8	516	6	5¾ × 10	413	3	5¾ × 12	344	4
6 × 8	495	0	6 × 10	396	0	6 × 12	330	0
¼ × 9	10,560	0	¼ × 11	8,640	0	¼ × 13	7,310	9
½ × 9	5,280	0	½ × 11	4,320	0	½ × 13	3,655	4
¾ × 9	3,520	0	¾ × 11	2,880	0	¾ × 13	2,437	0
1 × 9	2,640	0	1 × 11	2,160	0	1 × 13	1,827	8
1¼ × 9	2,112	0	1¼ × 11	1,728	0	1¼ × 13	1,462	0
1½ × 9	1,760	0	1½ × 11	1,440	0	1½ × 13	1,218	6
1¾ × 9	1,508	7	1¾ × 11	1,234	3	1¾ × 13	1,044	4
2 × 9	1,320	0	2 × 11	1,080	0	2 × 13	914	0

TABLE No. I.—*continued.*

Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.	Sizes.	Feet.	Ins.
2¼ × 13	812	4	2¼ × 15	704	0	3 × 25	316	9
2½ × 13	731	0	2½ × 15	633	7	3 × 26	304	7
2¾ × 13	664	7	2¾ × 15	576	0	3 × 27	293	4
3 × 13	609	3	3 × 15	528	0	3 × 28	283	0
3¼ × 13	562	4	3¼ × 15	487	5	3 × 29	273	0
3½ × 13	522	3	3½ × 15	452	7	3 × 30	264	0
3¾ × 13	487	4	3¾ × 15	422	5	4 × 17	349	5
4 × 13	457	0	4 × 15	396	0	4 × 18	330	0
4¼ × 13	430	0	4¼ × 15	372	9	4 × 19	312	7
4½ × 13	406	0	4½ × 15	352	0	5 × 17	279	6
4¾ × 13	384	9	4¾ × 15	333	6	5 × 18	264	0
5 × 13	365	6	5 × 15	316	9	5 × 19	250	0
5¼ × 13	348	0	5¼ × 15	301	8	7 × 7	485	0
5½ × 13	332	4	5½ × 15	288	0	7 × 8	424	3
5¾ × 13	318	0	5¾ × 15	275	6	7 × 9	377	2
6 × 13	304	7	6 × 15	264	0	7 × 10	339	6
¼ × 14	6,788	7	¼ × 16	5,940	0	7 × 11	308	6
½ × 14	3,394	3	½ × 16	2,970	0	7 × 12	283	0
¾ × 14	2,263	0	¾ × 16	1,980	0	7 × 13	261	2
1 × 14	1,697	0	1 × 16	1,485	0	7 × 14	242	6
1¼ × 14	1,357	8	1¼ × 16	1,188	0	8 × 8	371	3
1½ × 14	1,131	5	1½ × 16	990	0	8 × 9	330	0
1¾ × 14	970	0	1¾ × 16	848	7	8 × 10	297	0
2 × 14	848	7	2 × 16	742	6	8 × 11	270	0
2¼ × 14	754	3	2¼ × 16	660	0	8 × 12	247	6
2½ × 14	679	0	2½ × 16	594	0	8 × 13	228	6
2¾ × 14	617	0	2¾ × 16	540	0	8 × 14	212	2
3 × 14	565	8	3 × 16	495	0	9 × 9	293	4
3¼ × 14	522	3	3¼ × 16	457	0	9 × 10	264	0
3½ × 14	485	0	3½ × 16	424	3	9 × 11	240	0
3¾ × 14	452	7	3¾ × 16	396	0	9 × 12	220	0
4 × 14	424	3	4 × 16	371	3	9 × 13	203	0
4¼ × 14	399	4	4¼ × 16	349	5	9 × 14	188	6
4½ × 14	377	0	4½ × 16	330	0	10 × 10	237	8
4¾ × 14	357	3	4¾ × 16	312	7	10 × 11	216	0
5 × 14	339	5	5 × 16	297	0	10 × 12	198	0
5¼ × 14	323	3	5¼ × 16	283	0	10 × 13	182	9
5½ × 14	308	7	5½ × 16	270	0	10 × 14	169	9
5¾ × 14	295	2	5¾ × 16	258	3	11 × 11	196	4
6 × 14	283	0	6 × 16	247	5	11 × 12	180	0
¼ × 15	6,336	0	3 × 17	466	0	11 × 13	166	2
½ × 15	3,168	0	3 × 18	440	0	11 × 14	154	4
¾ × 15	2,112	0	3 × 19	417	0	12 × 12	165	0
1 × 15	1,584	0	3 × 20	396	0	12 × 13	152	4
1¼ × 15	1,267	3	3 × 21	377	0	12 × 14	141	6
1½ × 15	1,056	0	3 × 22	360	0	13 × 13	140	6
1¾ × 15	905	2	3 × 23	344	4	13 × 14	130	7
2 × 15	792	0	3 × 24	330	0	14 × 14	121	3

TABLE No. II.

Showing the Number of Deals and Battens of Various Sizes contained in a Petersburg Standard.

Sizes.	6 feet.		7 feet.		8 feet.		9 feet.		10 feet.		11 feet.		12 feet.	
	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.
4 × 14	70	4	60	4	53	0	47	1	42	4	38	6	35	4
4 × 13	76	1	65	2	57	1	50	7	45	7	41	6	38	1
4 × 12	82	3	70	5	61	7	55	0	49	5	45	0	41	3
4 × 11	90	0	77	1	67	4	60	0	54	0	49	1	45	0
4 × 10	99	0	84	6	74	2	66	0	59	4	54	0	49	6
4 × 8	123	4	106	0	92	7	82	4	74	2	67	6	61	10
4 × 7	141	3	121	2	106	0	94	2	84	9	77	2	70	8
3 × 17	77	4	66	4	58	2	51	7	46	6	42	4	38	10
3 × 16	82	3	70	5	61	7	55	0	49	5	45	0	41	3
3 × 15	88	0	75	3	66	0	58	6	52	8	48	0	44	0
3 × 14	94	2	80	6	70	6	62	7	56	6	51	5	47	2
3 × 13	101	3	87	0	76	1	67	6	60	9	55	4	50	9
3 × 12 / 3 × 9	110	0	94	2	82	4	73	3	66	0	60	0	55	0
3 × 11	120	0	102	6	90	0	80	0	72	0	65	5	60	0
3 × 10	132	0	113	1	99	0	88	0	79	2	72	0	66	0
3 × 9	146	4	125	5	110	0	97	7	88	0	80	0	73	4
3 × 8 / 4 × 6	165	0	141	3	123	6	110	0	99	0	90	0	82	6
3 × 7	188	3	161	4	141	3	125	6	113	1	102	9	94	3
3 × 6	220	0	188	4	164	8	146	6	132	0	120	0	110	0
2½ × 12	132	0	113	1	99	0	88	0	79	2	72	0	66	0
2½ × 11	144	0	123	3	108	0	96	0	86	4	78	6	72	0
2½ × 10	158	2	135	5	118	6	105	5	95	0	86	4	79	2
2½ × 9	176	0	150	6	132	0	117	3	105	6	96	0	88	0
2½ × 8	198	0	169	5	148	4	132	0	118	8	108	0	99	0
2½ × 7	226	2	194	0	169	6	150	8	135	8	123	5	113	2
2½ × 6½	243	4	208	6	182	6	162	4	146	2	132	10	121	10
2½ × 6	264	0	226	2	198	0	176	0	158	4	144	0	132	0
2 × 6½	304	4	261	0	228	4	203	0	182	7	166	2	152	4
2 × 5½	360	0	308	4	270	0	240	0	216	0	196	4	180	0
2 × 7	282	5	242	3	212	1	188	5	169	7	154	3	141	5
1½ × 11	240	0	205	5	180	0	160	0	144	0	130	10	120	0
1½ × 9	293	2	251	3	220	0	195	5	176	0	160	0	146	8
1½ × 7	377	1	323	2	282	7	251	4	226	3	205	8	188	7
1¼ × 9	352	0	301	5	264	0	234	6	211	2	192	0	176	0
1¼ × 7	452	3	387	6	339	3	301	6	271	5	246	9	226	3
1 × 11	360	0	308	4	270	0	240	0	216	0	196	4	180	0
1 × 9	440	0	377	1	330	0	293	3	264	0	240	0	220	0
1 × 8	495	0	424	2	371	2	330	0	297	0	270	0	247	6
1 × 7	565	4	484	6	424	2	377	1	339	4	308	6	282	10
1 × 6	660	0	565	5	495	0	440	0	396	0	360	0	330	0
1 × 5	792	0	692	0	594	0	528	0	475	2	432	0	396	0

TABLE No. II.—*continued.*

Sizes.	13 feet.		15 feet.		17 feet.		19 feet.		21 feet.		23 feet.		25 feet.	
	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.
4 × 14	32	8	28	4	24	16	22	6	20	4	18	10	16	24
4 × 13	35	2	30	7	26	15	24	1	21	16	19	20	18	7
4 × 12	38	1	33	0	29	2	26	1	23	12	21	12	19	20
4 × 11	41	7	36	0	31	13	28	8	25	15	23	11	21	15
4 × 10	45	9	39	9	34	16	31	5	28	6	25	19	23	19
4 × 8	57	1	49	7	43	12	39	2	35	7	32	6	29	18
4 × 7	65	4	56	9	49	15	44	13	40	9	36	21	33	24
3 × 17	35	5	31	1	27	7	24	10	22	4	20	6	18	16
3 × 16	38	1	33	0	29	2	26	1	23	12	21	12	19	20
3 × 15	40	8	35	3	31	1	27	15	25	3	22	22	21	3
3 × 14	43	7	37	11	33	5	29	15	26	20	24	14	22	16
3 × 13	46	11	40	9	35	14	32	1	29	0	26	11	24	9
3 × 12 | 4 × 9	50	10	44	0	38	14	34	14	31	9	28	16	26	10
3 × 11	55	5	48	0	42	6	37	17	34	6	31	7	28	20
3 × 10	60	12	52	12	46	10	41	13	37	15	34	10	31	17
3 × 9	67	9	58	10	51	13	46	6	41	19	38	6	35	5
3 × 8 | 4 × 6	76	2	66	0	58	4	52	2	47	3	43	1	39	15
3 × 7	87	0	75	6	66	9	59	10	53	18	49	4	45	6
3 × 6	101	7	88	0	77	11	69	9	62	18	57	9	52	20
2½ × 12	60	12	52	12	46	10	41	13	37	15	34	10	31	17
2½ × 11	66	6	57	9	50	14	45	9	41	2	37	13	34	14
2½ × 10	73	1	63	5	55	15	50	0	45	5	41	7	38	0
2½ × 9	81	3	70	6	62	2	55	11	50	6	45	21	42	6
2½ × 8	91	5	79	3	69	15	62	10	56	12	51	15	47	13
2½ × 7	104	6	90	8	79	15	71	9	64	14	59	1	54	8
2½ × 6½	112	6	97	7	86	0	76	18	69	13	63	13	58	12
2½ × 6	121	11	105	9	93	3	83	7	75	9	68	20	63	9
2 × 7	130	7	113	2	99	14	89	6	80	17	73	18	67	22
1½ × 11	110	10	96	0	84	12	75	15	68	12	62	14	57	15
1½ × 9	135	5	117	5	103	9	92	12	83	17	76	12	70	10
1½ × 7	174	1	150	13	133	2	119	2	107	16	98	9	90	13
1¼ × 9	162	6	140	12	124	4	111	3	100	12	91	19	84	12
1¼ × 7	208	11	181	0	159	12	142	17	129	6	118	1	108	15
1 × 11	166	2	144	0	127	1	113	13	102	18	93	21	86	10
1 × 9	203	1	176	0	155	5	138	18	125	15	114	18	105	15
1 × 8	228	6	198	0	174	12	156	6	141	9	129	3	118	20
1 × 7	261	1	226	4	199	11	178	12	161	13	147	13	135	19
1 × 6	304	8	264	0	232	16	208	8	188	12	172	4	158	10
1 × 5	365	7	316	12	279	9	250	2	226	6	206	14	190	2
1 × 4½	406	2	352	0	310	10	277	17	251	9	229	13	211	5
1 × 4	456	12	396	0	349	7	312	12	282	18	258	6	237	15

The intermediate sizes or lengths may be easily derived by multiplying or dividing the sizes given.

TABLE No. III.

SHOWING PRICE PER STANDARD AT SO MUCH PER FOOT RUN.

Sizes.	At $\frac{1}{8}d.$ per ft.			At $\frac{1}{4}d.$ per ft.			At $\frac{3}{8}d.$ per ft.			At $\frac{1}{2}d.$ per ft.			At $\frac{5}{8}d.$ per ft.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
$2\frac{1}{2} \times 5\frac{1}{2}$	0	18	0	1	16	0	2	14	0	3	12	0	4	10	0
$2\frac{1}{2} \times 6$	0	16	6	1	13	0	2	9	6	3	6	0	4	2	6
$2\frac{1}{2} \times 6\frac{1}{2}$	0	15	3	1	10	6	2	5	8	3	0	11	3	16	2
1×7	1	15	4	3	10	8	5	6	1	7	1	5	8	16	9
$1\frac{1}{2} \times 7$	1	3	7	2	7	2	3	10	9	4	14	4	5	17	11
2×7	0	17	8	1	15	4	2	13	0	3	10	8	4	8	4
$2\frac{1}{2} \times 7$	0	14	2	1	8	4	2	2	5	2	16	7	3	10	9
3×7	0	11	10	1	3	7	1	15	5	2	7	2	2	19	0
1×8	1	10	11	3	1	10	4	12	9	6	3	8	7	14	7
3×8	0	10	4	1	0	8	1	10	11	2	1	3	2	11	7
$2\frac{1}{2} \times 9$	0	11	0	1	2	0	1	13	0	2	4	0	2	15	0
3×9	0	9	2	0	18	4	1	7	6	1	16	8	2	5	10
1×10	1	4	9	2	9	6	3	14	3	4	19	0	6	3	9
3×10	0	8	3	0	16	6	1	4	9	1	13	0	2	1	3
1×11	1	2	6	2	5	0	3	7	6	4	10	0	5	12	6
3×11	0	7	6	0	15	0	1	2	6	1	10	0	1	17	6
3×12	0	6	11	0	13	9	1	0	8	1	7	6	1	14	5
3×13	0	6	4	0	12	8	0	19	0	1	5	4	1	11	8
3×14	0	5	11	0	11	9	0	17	8	1	3	7	1	9	5
3×15	0	5	6	0	11	0	0	16	6	1	2	0	1	7	6
3×16	0	5	2	0	10	4	0	15	6	1	0	8	1	5	10
4×7	0	8	10	0	17	8	1	6	6	1	15	4	2	4	2
4×8	0	7	9	0	15	6	1	3	3	1	10	11	1	18	9
4×9	0	6	11	0	13	9	1	0	8	1	7	6	1	14	5
4×10	0	6	2	0	12	4	0	18	7	1	4	9	1	10	11
4×11	0	5	8	0	11	3	0	16	11	1	2	6	1	8	2
4×12	0	5	2	0	10	4	0	15	6	1	0	8	1	5	10
4×13	0	4	9	0	9	6	0	14	3	0	19	0	1	3	9
4×14	0	4	5	0	8	10	0	13	3	0	17	8	1	2	1
1×5	2	9	6	4	19	0	7	8	6	9	18	0	12	7	6
1×6	2	1	3	4	2	6	6	3	9	8	5	0	10	6	3
1×9	1	7	6	2	15	0	4	2	6	5	10	0	6	17	6
1×12	1	0	$7\frac{1}{2}$	2	1	3	3	1	$10\frac{1}{2}$	4	2	6	5	3	$1\frac{1}{2}$
$1\frac{1}{2} \times 6$	1	13	0	3	6	0	4	19	0	6	12	0	8	5	0
$1\frac{1}{2} \times 7$	1	8	$3\frac{1}{2}$	2	16	7	4	4	$10\frac{1}{2}$	5	13	2	7	1	$5\frac{1}{2}$
$1\frac{1}{2} \times 8$	1	4	9	2	9	6	3	14	3	4	19	0	6	3	9
$1\frac{1}{2} \times 9$	1	2	0	2	4	0	3	6	0	4	8	0	5	10	0
$1\frac{1}{2} \times 11$	0	18	0	1	16	0	2	14	0	3	12	0	4	10	0
$1\frac{1}{2} \times 6$	1	7	6	2	15	0	4	2	6	5	10	0	6	17	6
$1\frac{1}{2} \times 9$	0	18	4	1	16	8	2	15	0	3	13	4	4	11	8
$1\frac{1}{2} \times 11$	0	15	0	1	10	0	2	5	0	3	0	0	3	15	0
2×5	1	4	9	2	9	6	3	14	3	4	19	0	6	3	9
2×6	1	0	$7\frac{1}{2}$	2	1	3	3	1	$10\frac{1}{2}$	4	2	6	5	3	$1\frac{1}{2}$
2×9	0	13	9	1	7	6	2	1	3	2	15	0	3	8	9
2×11	0	11	3	1	2	6	1	13	9	2	5	0	2	16	3

TABLE No. III.—*continued.*

Sizes.	At $\frac{3}{4}d.$ per ft.			At $\frac{7}{8}d.$ per ft.			At $1d.$ per ft.			At $1\frac{1}{8}d.$ per ft.			At $1\frac{1}{4}d.$ per ft.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
$2\frac{1}{2} \times 5\frac{1}{2}$	5	8	0	6	6	0	7	4	0	8	2	0	9	0	0
$2\frac{1}{2} \times 6$	4	19	0	5	15	6	6	12	0	7	8	6	8	5	0
$2\frac{1}{2} \times 6\frac{1}{2}$	4	11	5	5	6	7	6	1	10	6	17	1	7	12	4
1×7	10	12	2	12	7	6	14	2	10	15	18	2	17	13	6
$1\frac{1}{2} \times 7$	7	1	5	8	5	0	9	8	7	10	12	2	11	15	9
2×7	5	6	1	6	3	9	7	1	5	7	19	1	8	16	9
$2\frac{1}{2} \times 7$	4	4	10	4	19	0	5	13	2	6	7	4	7	1	6
3×7	3	10	8	4	2	6	4	14	3	5	6	1	5	17	10
1×8	9	5	8	10	16	6	12	7	6	13	18	5	15	9	4
3×8	3	1	10	3	12	2	4	2	6	4	12	10	5	3	2
$2\frac{1}{2} \times 9$	3	6	0	3	17	0	4	8	0	4	19	0	5	10	0
3×9	2	15	0	3	4	2	3	13	4	4	2	6	4	11	8
1×10	7	8	6	8	13	3	9	18	0	11	2	9	12	7	6
3×10	2	9	6	2	17	9	3	6	0	3	14	3	4	2	6
1×11	6	15	0	7	17	6	9	0	0	10	2	6	11	5	0
3×11	2	5	0	2	12	6	3	0	0	3	7	6	3	15	0
3×12	2	1	3	2	8	$1\frac{1}{2}$	2	15	0	3	1	10	3	8	9
3×13	1	18	0	2	4	4	2	10	9	2	17	1	3	3	5
3×14	1	15	4	2	1	3	2	7	2	2	13	1	2	19	0
3×15	1	13	0	1	18	6	2	4	0	2	9	6	2	15	0
3×16	1	10	11	1	16	1	2	1	3	2	6	5	2	11	7
4×7	2	13	1	3	1	11	3	10	9	3	19	7	4	8	5
4×8	2	6	5	2	14	2	3	1	10	3	9	7	3	17	4
4×9	2	1	3	2	8	2	2	15	0	3	1	11	3	8	10
4×10	1	17	2	2	3	4	2	9	6	2	15	8	3	1	10
4×11	1	13	9	1	19	5	2	5	0	2	10	8	2	16	4
4×12	1	10	11	1	16	1	2	1	3	2	6	5	2	11	7
4×13	1	8	7	1	13	4	1	18	1	2	2	10	2	7	7
4×14	1	6	6	1	10	11	1	15	4	1	19	9	2	4	2
1×5	14	17	0	17	6	6	19	16	0	22	5	6	24	15	0
1×6	12	7	6	14	8	9	16	10	0	18	11	3	20	12	6
1×9	8	5	0	9	12	6	11	0	0	12	7	6	13	15	0
1×12	6	3	9	7	4	$4\frac{1}{2}$	8	5	0	9	5	$7\frac{1}{2}$	10	6	3
$1\frac{1}{4} \times 6$	9	18	0	11	11	0	13	4	0	14	17	0	16	10	0
$1\frac{1}{4} \times 7$	8	9	9	9	18	$0\frac{1}{2}$	11	6	4	12	14	$7\frac{1}{2}$	14	2	11
$1\frac{1}{4} \times 8$	7	8	6	8	13	3	9	18	0	11	2	9	12	7	6
$1\frac{1}{4} \times 9$	6	12	0	7	14	0	8	16	0	9	18	0	11	0	0
$1\frac{1}{4} \times 11$	5	8	0	6	6	0	7	4	0	8	2	0	9	0	0
$1\frac{1}{2} \times 5$	9	18	0	11	11	0	13	4	0	14	17	0	16	10	0
$1\frac{1}{2} \times 9$	5	10	0	6	8	4	7	6	8	8	5	0	9	3	4
$1\frac{1}{2} \times 11$	4	10	0	5	5	0	6	0	0	6	15	0	7	10	0
2×5	7	8	6	8	13	3	9	18	0	11	2	9	12	7	6
2×6	6	3	9	7	4	$4\frac{1}{2}$	8	5	0	9	5	$7\frac{1}{2}$	10	6	3
2×9	4	2	6	4	16	3	5	10	0	6	3	9	6	17	6
2×11	3	7	6	3	18	9	4	10	0	5	1	3	5	12	6

TABLE No. III.—*continued.*

Sizes.	At $1\frac{3}{8}d.$ per ft.			At $1\frac{1}{2}d.$ per ft.			At $1\frac{5}{8}d.$ per ft.			At $1\frac{3}{4}d.$ per ft.			At $1\frac{7}{8}d.$ per ft.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
$2\frac{1}{2} \times 5\frac{1}{2}$	9	18	0	10	16	0	11	14	0	12	12	0	13	10	0
$2\frac{1}{2} \times 6$	9	1	6	9	18	0	10	14	6	11	11	0	12	7	6
$2\frac{1}{2} \times 6\frac{1}{2}$	8	7	7	9	2	10	9	18	0	10	13	3	11	8	5
1×7	19	8	10	21	4	3	22	19	7	24	15	0	26	10	4
$1\frac{1}{2} \times 7$	12	19	4	14	2	10	15	6	5	16	10	0	17	13	7
2×7	9	14	5	10	12	2	11	9	10	12	7	6	13	5	2
$2\frac{1}{2} \times 7$	7	15	8	8	9	8	9	3	10	9	18	0	10	12	2
3×7	6	9	$7\frac{1}{2}$	7	1	4	7	13	2	8	4	11	8	16	9
1×8	17	0	3	18	11	4	20	2	2	21	13	2	23	4	0
3×8	5	13	6	6	3	9	6	14	1	7	4	$4\frac{1}{2}$	7	14	8
$2\frac{1}{2} \times 9$	6	1	0	6	12	0	7	3	0	7	14	0	8	5	0
3×9	5	0	10	5	10	0	5	19	2	6	8	4	6	17	6
1×10	13	12	3	14	17	0	16	1	9	17	6	6	18	11	3
3×10	4	10	9	4	19	0	5	7	3	5	15	6	6	3	9
1×11	12	7	6	13	10	0	14	12	6	15	15	0	16	17	6
3×11	4	2	6	4	10	0	4	17	6	5	5	0	5	12	6
3×12	3	15	$7\frac{1}{2}$	4	2	6	4	9	$4\frac{1}{2}$	4	16	3	5	3	$1\frac{1}{2}$
3×13	3	9	9	3	16	1	4	2	$5\frac{1}{2}$	4	8	9	4	15	1
3×14	3	4	11	3	10	8	3	16	7	4	2	6	4	8	5
3×15	3	0	6	3	6	0	3	11	6	3	17	0	4	2	6
3×16	2	16	9	3	1	10	3	7	0	3	12	2	3	17	4
4×7	4	17	3	5	6	2	5	15	0	6	3	10	6	12	8
4×8	4	4	1	4	12	10	5	0	7	5	8	3	5	16	0
4×9	3	15	9	4	2	6	4	9	5	4	16	3	5	3	2
4×10	3	8	0	3	14	4	4	0	6	4	6	8	4	12	10
4×11	3	1	$10\frac{1}{2}$	3	7	6	3	13	2	3	18	9	4	4	5
4×12	2	16	9	3	1	10	3	7	0	3	12	2	3	17	4
4×13	2	12	4	2	17	2	3	1	11	3	6	8	3	11	5
4×14	2	8	7	2	13	0	2	17	5	3	1	10	3	6	3
1×5	27	4	6	29	14	0	32	3	6	34	13	0	37	2	6
1×6	22	13	9	24	15	0	26	16	3	28	17	6	30	18	9
1×9	15	2	6	16	10	0	17	17	6	19	5	0	20	12	6
1×12	11	6	$10\frac{1}{2}$	12	7	6	13	8	$1\frac{1}{2}$	14	8	9	15	9	$4\frac{1}{2}$
$1\frac{1}{4} \times 6$	18	3	0	19	16	0	21	9	0	23	2	0	24	15	0
$1\frac{1}{4} \times 7$	15	11	$2\frac{1}{2}$	16	19	6	18	7	$9\frac{1}{2}$	19	16	1	21	4	$4\frac{1}{2}$
$1\frac{1}{4} \times 8$	13	12	3	14	17	0	16	1	9	17	6	6	18	11	3
$1\frac{1}{4} \times 9$	12	2	0	13	4	0	14	6	0	15	8	0	16	10	0
$1\frac{1}{4} \times 11$	9	18	0	10	16	0	11	14	0	12	12	0	13	10	0
$1\frac{1}{2} \times 5$	18	3	0	19	16	0	21	9	0	23	2	0	24	15	0
$1\frac{1}{2} \times 9$	10	1	8	11	0	0	11	18	4	12	16	8	13	15	0
$1\frac{1}{2} \times 11$	8	5	0	9	0	0	9	15	0	10	10	0	11	5	0
2×5	13	12	3	14	17	0	16	1	9	17	6	6	18	11	3
2×6	11	6	$10\frac{1}{2}$	12	7	6	13	8	$1\frac{1}{2}$	14	8	9	15	9	$4\frac{1}{2}$
2×9	7	11	3	8	5	0	8	18	9	9	12	6	10	6	3
2×11	6	3	9	6	15	0	7	6	3	7	17	6	8	8	9

TABLE No. III.—*continued.*

Sizes.	At 2*d.* per ft.			At 2½*d.* per ft.			At 2½*d.* per ft.			At 2¾*d.* per ft.			At 3*d.* per ft.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
2½ × 5½	14	8	0	16	4	0	18	0	0	19	16	0	21	12	0
2½ × 6	13	4	0	14	17	0	16	10	0	18	3	0	19	16	0
2½ × 6½	12	3	8	13	14	1½	15	4	7	16	15	0½	18	5	6
1 × 7	28	5	8	31	16	4½	35	7	1	38	17	9½	42	8	6
1½ × 7	18	17	2	21	4	4	23	11	6	25	18	8	28	5	9
2 × 7	14	2	10	15	18	2	17	13	6	19	8	10	21	4	3
2½ × 7	11	6	3	12	14	6½	14	2	10	15	11	2	16	19	5
3 × 7	9	8	6	10	12	1	11	15	8	12	19	3	14	2	9
1 × 8	24	15	0	27	16	10½	30	18	9	34	0	7½	37	2	6
3 × 8	8	5	0	9	5	7½	10	6	3	11	6	10½	12	7	6
2½ × 9	8	16	0	9	18	0	11	0	0	12	2	0	13	4	0
3 × 9	7	6	8	8	5	0	9	3	4	10	1	8	11	0	0
1 × 10	19	16	0	22	5	6	24	15	0	27	4	6	29	14	0
3 × 10	6	12	0	7	8	6	8	5	0	9	1	6	9	18	0
1 × 11	18	0	0	20	5	0	22	10	0	24	15	0	27	0	0
3 × 11	6	0	0	6	15	0	7	10	0	8	5	0	9	0	0
1½ × 7	22	12	6	25	9	1	28	5	8	31	2	3	33	18	10
1½ × 9	17	12	0	19	16	0	22	0	0	24	4	0	26	8	0
1½ × 11	14	8	0	16	4	0	18	0	0	19	16	0	21	12	0
1½ × 9	14	13	4	16	10	0	18	6	8	20	3	4	22	0	0
1½ × 11	12	0	0	13	10	0	15	0	0	16	10	0	18	0	0
2 × 6	16	10	0	18	11	3	20	12	6	22	13	9	24	15	0
2 × 7	14	2	10	15	18	2	17	13	6	19	8	10½	21	4	3
2 × 9	11	0	0	12	7	6	13	15	0	15	2	6	16	10	0
2 × 11	9	0	0	10	2	6	11	5	0	12	7	6	13	10	0

Sizes.	At 4¾*d.* per ft.			At 5*d.* per ft.			At 5½*d.* per ft.			At 5½*d.* per ft.			At 5¾*d.* per ft.		
3 × 11	14	5	0	15	0	0	15	15	0	16	10	0	17	5	0
3 × 12	13	1	3	13	15	0	14	8	9	15	2	6	15	16	3
3 × 13	12	1	1	12	13	9½	13	6	5	13	19	2½	14	11	10½
3 × 14	11	3	11	11	15	8	12	7	5½	12	19	3	13	11	0
3 × 15	10	9	0	11	0	0	11	11	0	12	2	0	12	13	0
3 × 16 4 × 12	9	15	11	10	6	3	10	16	7	11	6	10½	11	17	2¼
3 × 17	9	4	5½	9	14	2	10	3	10½	10	13	7	11	3	3½
3 × 18	8	14	2	9	3	4	9	12	6	10	1	8	10	10	10
3 × 19	8	5	1	8	13	9	9	2	5	9	11	1½	9	19	9½
3 × 20	7	16	9	8	5	0	8	13	3	9	1	6	9	9	9
4 × 13	9	0	11	9	10	5	9	19	11	10	9	5½	10	18	11½
4 × 14	8	7	10	8	16	8	9	5	6	9	14	4	10	3	2

TABLE No. III.—*continued.*

Sizes.	At 3½*d.* per ft.			At 3¾*d.* per ft.			At 3¾*d.* per ft.			At 4*d.* per ft.			At 4½*d.* per ft.			At 4½*d.* per ft.		
	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
2½ × 7	18	7	8	19	16	0	21	4	4	22	12	8	24	0	10½	25	9	1
2½ × 9	14	6	0	15	8	0	16	10	0	17	12	0	18	14	0	19	16	0
3 × 7	15	6	5½	16	10	0½	17	13	7	18	17	2	20	0	9	21	4	4
3 × 9	11	18	4	12	16	8	13	15	0	14	13	4	15	11	8	16	10	0
3 × 10	10	14	6	11	11	0	12	7	6	13	4	0	14	0	6	14	17	0
3 × 11	9	15	0	10	10	0	11	5	0	12	0	0	12	15	0	13	10	0
3 × 12	8	18	9	9	12	6	10	6	3	11	0	0	11	13	9	12	7	6
3 × 13	8	4	11	8	17	7½	9	10	4	10	3	0	10	15	8	11	8	5
3 × 14	7	13	2	8	4	11½	8	16	9	9	8	4	10	0	3	10	12	0½
3 × 15	7	3	0	7	14	0	8	5	0	8	16	0	9	7	0	9	18	0
4 × 5½	14	12	6	15	15	0	16	17	6	18	0	0	19	2	6	20	5	0
4 × 6	13	8	1½	14	8	9	15	9	4½	16	10	0	17	10	7½	18	11	3
4 × 7	11	9	9	12	7	5½	13	5	2	14	2	10	15	0	6	15	18	2½
4 × 8	10	1	1	10	16	6½	11	12	0	12	7	6	13	2	11½	13	18	5¼
4 × 9	8	18	10	9	12	6	10	6	3	11	0	0	11	13	9	12	7	6
4 × 10	8	0	10½	8	13	3	9	5	7½	9	18	0	10	10	4½	11	2	9
4 × 11	7	6	3	7	17	6	8	8	9	9	0	0	9	11	3	10	2	6
4 × 12	6	14	0½	7	4	4½	7	14	8	8	5	0	8	15	4	9	5	7½
2 × 9	17	17	6	19	5	0	20	12	6	22	0	0	23	7	6	24	15	0
2 × 10	16	1	9	17	6	6	18	11	3	19	16	0	21	0	9	22	5	6
2 × 11	14	12	6	15	15	0	16	17	6	18	0	0	19	2	6	20	5	0
2 × 12	13	8	1½	14	8	9	15	9	4½	16	10	0	17	10	7½	18	11	3
1½ × 11	19	10	0	21	0	0	22	10	0	24	0	0	25	10	0	27	0	0
1½ × 12	17	17	6	19	5	0	20	12	6	22	0	0	23	7	6	24	15	0
1½ × 9	23	16	8	25	13	4	27	10	0	29	6	8	31	3	4	33	0	0

Sizes.	At 6*d.* per ft.			At 6½*d.* per ft.			At 7*d.* per ft.			At 7½*d.* per ft.			At 8*d.* per ft.			At 8½*d.* per ft.		
3 × 11	18	0	0	19	10	0	21	0	0	22	10	0	24	0	0	25	10	0
3 × 12	16	10	0	17	17	6	19	5	0	20	12	6	22	0	0	23	7	6
3 × 13	15	4	7¾	16	10	0½	17	15	4¾	19	0	9¼	20	6	2	21	11	6½
3 × 14	14	2	10	15	6	5½	16	10	0½	17	13	7½	18	17	2	20	0	9
3 × 15	13	4	0	14	6	0	15	8	0	16	10	0	17	12	0	18	14	0
3 × 16 / 4 × 12	12	7	6	13	8	1½	14	8	9	15	9	4½	16	10	0	17	10	7½
3 × 17	11	13	0	12	12	5	13	11	10	14	11	3	15	10	8	16	10	1
3 × 18	11	0	0	11	18	4	12	16	8	13	15	0	14	13	4	15	11	8
3 × 19	10	8	6	11	5	10½	12	3	3	13	0	7½	13	18	0	14	15	4½
3 × 20	9	18	0	10	14	6	11	11	0	12	7	6	13	4	0	14	0	6
4 × 13	11	8	6	12	11	8½	13	6	7	14	5	7½	15	4	8	16	3	8½
4 × 14	10	12	0	11	9	8½	12	7	5	13	5	0	14	2	8	15	0	6

TABLE No. IV

SHOWING COMPARATIVE PRICE PER CUBE FOOT, PER PETERSBURG STANDARD, PER LONDON OR IRISH STANDARD, PER FATHOM, PER TON OF 40 FEET, AND PER LOAD OF 50 FEET CUBE.

At per Cubic Foot.		Per Petersburg Standard of 120-6 f. 3×11 in. or 165 cubic feet.			Per London or Irish Standard of 120-12 f. 3×9 in. or 270 cubic ft.			Per Fathom.			Per Ton of 40 Cubic ft.			Per Load of 50 Cubic ft.		
s.	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
0	0½	0	6	10½	0	11	3	0	9	0	0	1	8	0	2	1
0	1	0	13	9	1	2	6	0	18	0	0	3	4	0	4	2
0	2	1	7	6	2	5	0	1	16	0	0	6	8	0	8	4
0	3	2	1	3	3	7	6	2	14	0	0	10	0	0	12	6
0	4	2	15	0	4	10	0	3	12	0	0	13	4	0	16	8
0	5	3	8	9	5	12	6	4	10	0	0	16	8	1	0	10
0	6	4	2	6	6	15	0	5	8	0	1	0	0	1	5	0
0	7	4	16	3	7	17	6	6	6	0	1	3	4	1	9	2
0	8	5	10	0	9	0	0	7	4	0	1	6	8	1	13	4
0	9	6	3	9	10	2	6	8	2	0	1	10	0	1	17	6
0	10	6	17	6	11	5	0	9	0	0	1	13	4	2	1	8
0	11	7	11	3	12	7	6	9	18	0	1	16	8	2	5	10
1	0	8	5	0	13	10	0	10	16	0	2	0	0	2	10	0
1	0½	8	11	10½	14	1	3	11	5	0	2	1	8	2	12	1
1	1	8	18	9	14	12	6	11	14	0	2	3	4	2	14	2
1	1½	9	5	7½	15	3	9	12	3	0	2	5	0	2	16	3
1	2	9	12	6	15	15	0	12	12	0	2	6	8	2	18	4
1	2½	9	19	4½	16	6	3	13	1	0	2	8	4	3	0	5
1	3	10	6	3	16	17	6	13	10	0	2	10	0	3	2	6
1	3½	10	13	1½	17	8	9	13	19	0	2	11	8	3	4	7
1	4	11	0	0	18	0	0	14	8	0	2	13	4	3	6	8
1	4½	11	6	10½	18	11	3	14	17	0	2	15	0	3	8	9
1	5	11	13	9	19	2	6	15	6	0	2	16	8	3	10	10
1	5½	12	0	7½	19	13	9	15	15	0	2	18	4	3	12	11
1	6	12	7	6	20	5	0	16	4	0	3	0	0	3	15	0
1	6½	12	14	4½	20	16	3	17	13	0	3	1	8	3	17	1
1	7	13	1	3	21	7	6	17	2	0	3	3	4	3	19	2
1	7½	13	8	1½	21	18	9	17	11	0	3	5	0	4	1	3
1	8	13	15	0	22	10	0	18	0	0	3	6	8	4	3	4
1	8½	14	1	10½	23	1	3	18	9	0	3	8	4	4	5	5
1	9	14	8	9	23	12	6	18	18	0	3	10	0	4	7	6
1	9½	14	15	7½	24	3	9	19	7	0	3	11	8	4	9	7
1	10	15	2	6	24	15	0	19	16	0	3	13	4	4	11	8
1	10½	15	9	4½	25	6	3	20	5	0	3	15	0	4	13	9
1	11	15	16	3	25	17	6	20	14	0	3	16	8	4	15	10
1	11½	16	3	1½	26	8	9	21	3	0	3	18	4	4	17	11
2	0	16	10	0	27	0	0	21	12	0	4	0	0	5	0	0
2	0½	16	16	10½	27	11	3	22	1	0	4	1	8	5	2	1
2	1	17	3	9	28	2	6	22	10	0	4	3	4	5	4	2
2	1½	17	10	7½	28	13	9	22	19	0	4	5	0	5	6	3
2	2	17	17	6	29	5	0	23	8	0	4	6	8	5	8	4
2	2½	18	4	4½	29	16	3	23	17	0	4	8	4	5	10	5
2	3	18	11	3	30	7	6	24	6	0	4	10	0	5	12	6
2	*4*	19	5	0	31	10	0	25	4	0	4	13	4	5	16	8
2	*5*	*19*	*18*	*9*	*32*	*12*	*6*	26	2	0	4	16	8	6	0	10
2	*6*	*20*	*12*	*6*	*33*	*15*	*0*	27	0	0	5	0	0	6	5	0

TABLE No. V.

SHOWING No. OF DEAL ENDS OF VARIOUS SIZES CONTAINED IN A FATHOM.

Lengths.	4 × 11		4 × 9		3 × 11		3 × 9		3 × 7		2½ × 9		2½ × 7	
Ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft.	pcs.	odd ft	pcs.	odd ft.
1	707	0	864	0	942	0	1152	0	1481	0	1382	0	1777	0
1½	471	0	576	0	628	0	768	0	987	0	921	1	1184	1
2	353	0	432	0	471	0	576	0	740	1	691	0	888	1
2½	282	2	345	1	377	0	460	2	592	1	553	0	710	2
3	235	2	288	0	314	0	384	0	493	2	460	2	592	1
3½	202	0	246	3	269	1	329	0	423	0	395	0	507	3
4	176	3	216	0	235	2	288	0	370	1	345	2	444	1
4½	157	0	192	0	209	2	256	0	329	0	307	1	395	0
5	141	2	172	4	188	2	230	2	296	1	276	2	355	2
5½	128	3	157	0	171	2	209	2	269	1	251	2	323	1
6	117	5	144	0	157	0	192	0	246	5	230	0	296	1

TABLE No. VI.

SHOWING PRICES PER SUPERFICIAL FOOT, AT SO MUCH PER CUBIC FOOT AND PER STANDARD.

Per cub. ft.		Per Petersburg Standard.			Per Superficial Foot, or 12 in. Square, of							
					¼ in.	½ in.	1 in.	1¼ in.	1½ in.	2 in.	2½ in.	3 in.
s.	d.	£	s.	d.	d.	d.	d.	d.	d.	d.	d.	d.
1	0	8	5	0	½	¾	1	1¼	1½	2	2½	3
1	1	8	18	9					1⅝	2⅛		3⅛
1	2	9	12	6		⅞	1⅛	1½	1¾	2⅓		3½
1	3	10	6	3			1¼		1⅞	2½	3⅛	3¾
1	4	11	0	0	1	1⅛	1⅜		2	2⅔	3⅓	4
1	5	11	13	9			1¾		2⅛	2⅚	3⅝	4⅛
1	6	12	7	6	¾	1⅛	1½		2¼	3	3¾	4½
1	7	13	1	3			2		2⅜	3⅙	4	4¾
1	8	13	15	0		1¼	1⅜		2½	3⅓	4⅛	5
1	9	14	8	9			1¾		2⅝	3½	4⅜	5¼
1	10	15	2	6		1⅜	1⅚	2⅓	2¾	3⅔		5½
1	11	15	16	3					2⅞	3⅚		5¾
2	0	16	10	0	1	1½	2	2½	3	4	5	6
2	1	17	3	9					3⅛	4⅙		6¼
2	2	17	17	6		1⅝	2⅛		3¼	4⅓		6½
2	3	18	11	3			2¼		3⅜	4½	5⅝	6¾
2	4	19	5	0	1⅛	1¾	2⅓		3½	4⅔		7
2	5	19	18	9				3	3⅝	4⅚		7¼
2	6	20	12	6	1¼	1⅞	2½	3⅛	3¾	5	6¼	7½
2	7	21	6	3					3⅞	5⅙		7¾
2	8	22	0	0	1⅜	2	2⅔	3⅓	4	5⅓	6⅔	8
2	9	22	13	9	1⅜		2¾		4⅛	5½	6⅞	8¼
2	10	23	7	6		2⅛	2⅚		4¼	5⅔		8½
2	11	24	1	3					4⅜	5⅚		8¾
3	0	24	15	0	1½	2¼	3	3¾	4⅝	6	7½	9

TABLE No. VII.

SHOWING NUMBER OF RUNNING FEET IN SQUARE, AND PRICE PER SQUARE AT PER FOOT RUN.

Price per Lineal Foot.	171½ lin. ft. in a Square 7 in. wide.	184½ lin. ft. in a Square 6½ in. wide.	200 lin. ft. in a Square 6 in. wide.	218 lin. ft. in a Square 5½ in. wide.	240 lin. ft. in a Square 5 in. wide.	266⅔ lin. ft. in a Square 4½ in. wide.	300 lin. ft. in a Square 4 in. wide.
d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
⅛	1 9 7/16	1 11 1/16	2 1	2 3 1/2	2 6	2 9 1/3	3 1 1/2
¼	3 6 7/8	3 10 1/8	4 2	4 6 1/2	5 0	5 6 2/3	6 3
⅜	5 4 5/16	5 9 3/16	6 3	6 9 3/4	7 6	8 4	9 4 1/2
½	7 1 3/4	7 8 1/4	8 4	9 1	10 0	11 1 1/3	12 6
⅝	9 1 3/16	9 7 5/16	10 5	11 4 1/4	12 6	13 10 2/3	15 7 1/2
¾	10 8 5/8	11 6 3/8	12 6	13 7 1/2	15 0	16 8	18 9
⅞	12 6 1/16	13 5 7/16	14 7	15 10 3/4	17 6	19 5 1/3	21 10 1/2
1	14 3 1/2	15 4 1/2	16 8	18 2	20 0	22 2 2/3	25 0
1⅛	16 0 15/16	17 3 9/16	18 9	20 5 1/4	22 6	25 0	28 1 1/2
1¼	17 10 3/8	19 2 5/8	20 10	22 8 1/2	25 0	27 9 1/3	31 3
1⅜	19 7 13/16	21 1 11/16	22 11	24 11 3/4	27 6	30 6 2/3	34 4 1/2
1½	21 5 1/4	23 0 1/2	25 0	27 3	30 0	33 4	37 6
1⅝	23 2 11/16	24 11 13/16	27 1	29 6 1/4	32 6	36 1 1/3	40 7 1/2
1¾	25 0 1/8	26 10 7/8	29 2	31 9 1/2	35 0	38 10 2/3	43 9
1⅞	26 9 9/16	28 9 15/16	31 3	34 0 3/4	37 6	41 8	46 10 1/2
2	28 7	30 9	33 4	36 4	40 0	44 5 1/3	50 0
2⅛	30 4 7/16	32 8 1/16	35 5	38 7 1/4	42 6	47 2 2/3	53 1 1/2
2¼	32 1 7/8	34 7 1/8	37 6	40 10 1/2	45 0	50 0	56 3
2⅜	33 11 5/16	36 6 3/16	39 7	43 1 3/4	47 6	52 9 1/3	59 4 1/2

TABLE No. VIII.

SHOWING NUMBER OF RUNNING FEET IN SQUARE YARD AND PRICE PER SQUARE YARD AT SO MUCH PER FOOT RUN.

Price per Lineal Foot.	15½ lin. ft. in a sqr. yard 7 in. wide.	16½ lin. ft. in a sqr. yard 6½ in. wide.	18 lin. ft. in a sqr. yard 6 in. wide.	19½ lin ft. in a sqr. yard 5½ in. wide.	21½ lin. ft. in a sqr. yard 5 in. wide.	24 lin. ft. in a sqr. yard 4½ in. wide	27 lin. ft. in a sqr. yard 4 in. wide.
d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
⅛	0 1 15/16	0 2 1/16	0 2 1/4	0 2 7/16	0 2 11/16	0 3	0 3 3/8
¼	0 3 7/8	0 4 1/8	0 4 1/2	0 4 7/8	0 5 3/8	0 6	0 6 3/4
⅜	0 5 13/16	0 6 3/16	0 6 3/4	0 7 5/16	0 8 1/16	0 9	0 10 1/8
½	0 7 3/4	0 8 1/4	0 9	0 9 3/4	0 10 3/4	1 0	1 1 1/2
⅝	0 9 11/16	0 10 5/16	0 11 1/4	1 0 3/16	1 1 7/16	1 3	1 4 7/8
¾	0 11 5/8	1 0 3/8	1 1 1/2	1 2 5/8	1 4 1/8	1 6	1 8 1/4
⅞	1 1 9/16	1 2 7/16	1 3 3/4	1 5 1/16	1 6 13/16	1 9	1 11 5/8
1	1 3 1/2	1 4 1/2	1 6	1 7 1/2	1 9 1/2	2 0	2 3
1⅛	1 5 7/16	1 6 9/16	1 8 1/4	1 9 15/16	2 0 3/16	2 3	2 6 3/8
1¼	1 7 3/8	1 8 5/8	1 10 1/2	2 0 3/8	2 2 5/8	2 6	2 9 3/4
1⅜	1 9 5/16	1 10 11/16	2 0 3/4	2 2 13/16	2 5 1/16	2 9	3 1 1/8
1½	1 11 1/4	2 0 3/4	2 3	2 5 1/4	2 8 1/4	3 0	3 4 1/2
1⅝	2 1 3/16	2 2 13/16	2 5 1/4	2 7 11/16	2 10 15/16	3 3	3 7 7/8
1¾	2 3 1/8	2 4 7/8	2 7 1/2	2 10 1/8	3 1 5/8	3 6	3 11 1/4
1⅞	2 5 1/16	2 6 15/16	2 9 3/4	3 0 9/16	3 4 5/16	3 9	4 2 5/8
2	2 7	2 9	3 0	3 3	3 7	4 0	4 6
2⅛	2 8 15/16	2 11 1/16	3 2 1/4	3 5 7/16	3 9 1/16	4 3	4 9 3/8
2¼	2 10 7/8	3 1 1/8	3 4 1/2	3 7 7/8	4 0 3/8	4 6	5 0 3/4
2⅜	3 0 13/16	3 3 3/16	3 6 3/4	3 10 5/16	4 3 1/16	4 9	5 4 1/8

TABLE No. IX.

SHOWING PRICE PER PETERSBURG STANDARD AT SO MUCH PER SQUARE.

Price per Square.		1½ in. thick (or 2 out of 3 in.)			1½ in. thick (or 2 out of 2½ in.)			1 in. thick (or 3 out of 3 in.)			⅞ in. thick (or 3 out of 2½ in.)			¾ in. thick (or 4 out of 3 in.)			⅝ in. thick (or 4 out of 2½ in.)		
s.	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
0	3	0	3	3⅗	0	3	11½	0	4	11⅖	0	5	11¼	0	6	7⅕	0	7	11
0	6	0	6	7⅕	0	7	11	0	9	10⅘	0	11	10½	0	13	2⅖	0	15	10
0	9	0	9	10⅘	0	11	10½	0	14	10⅕	0	17	9¾	0	19	9⅗	1	3	9
1	0	0	13	2⅖	0	15	10	0	19	9⅗	1	3	9	1	6	4⅘	1	11	8
6	0	3	19	2⅖	4	15	0	5	18	9⅗	7	2	6¾	7	18	4⅘	9	10	1
6	6	4	5	9⅗	5	2	11	6	8	8⅖	7	14	5¼	8	11	7⅕	10	5	11
7	0	4	12	4⅘	5	10	10	6	18	7⅕	8	6	3¾	9	4	9⅗	11	1	9
7	6	4	19	0	5	18	9	7	8	6	8	18	2½	9	18	0	11	17	7¼
8	0	5	5	7	6	6	8½	7	18	4⅘	9	10	1	10	11	2⅘	12	13	5¼
8	6	5	12	2⅕	6	14	7½	8	8	3⅗	10	1	11¼	11	4	4⅘	13	9	3⅗
9	0	5	18	9⅗	7	2	7	8	18	2⅖	10	13	10	11	17	7⅕	14	5	1½
9	6	6	5	4⅘	7	10	5½	9	8	1⅕	11	5	8¼	12	10	9⅗	15	0	11¼
10	0	6	12	0	7	18	4	9	18	0	11	17	7¼	13	4	0	15	16	9¼
10	6	6	18	7	8	6	3	10	7	10⅘	12	9	5¾	13	17	2⅘	16	12	7¾
11	0	7	5	2⅕	8	14	2½	10	17	9⅗	13	1	4¼	14	10	4⅘	17	8	5¾
11	6	7	11	9⅗	9	2	1½	11	7	8⅖	13	13	2¾	15	3	7⅕	18	4	3¾
12	0	7	18	4⅘	9	10	1	11	17	7⅕	14	5	1¼	15	16	9⅗	19	0	2
12	6	8	4	11⅘	9	18	0	12	7	6	14	17	0	16	10	0	19	16	0
13	0	8	11	7	10	5	10⅘	12	17	5	15	8	10¼	17	3	2⅘	20	11	10¼
13	6	8	18	2⅕	10	13	9⅗	13	7	3⅗	16	0	9	17	16	4⅘	21	7	8¼
14	0	9	4	9⅗	11	1	8⅘	13	17	2⅖	16	12	7¾	18	9	7⅕	22	3	6¼
14	6	9	11	4⅘	11	9	7⅗	14	7	1⅕	17	4	6¼	19	2	9⅗	22	19	4¼
15	0	9	18	0	11	17	7	14	17	0	17	16	4¾	19	16	0	23	15	2¼
15	6	9	4	7	8	5	6	15	6	10⅘	18	8	3¼	20	9	2⅘	24	11	0¼
16	0	10	11	2⅕	12	13	5	15	16	9⅗	19	0	2	21	2	4⅘	25	6	10¼
16	6	10	17	9⅗	13	1	4	16	6	8⅖	19	12	0½	21	15	7⅕	26	2	8¼
17	0	11	4	4⅘	13	9	3	16	16	7⅕	20	3	11	22	8	9⅗	26	18	6¾
17	6	11	10	11⅘	13	17	2	17	6	6		—			—			—	
18	0	11	17	7	14	5	1	17	16	4⅘		—			—			—	
18	6	12	4	2⅕	14	13	0	18	6	3⅗		—			—			—	
19	0	12	10	9⅗	15	0	11	18	16	2⅖		—			—			—	
19	6	12	17	4⅘	15	8	10	19	6	1⅕		—			—			—	
20	0	13	3	11⅘	15	16	9½	19	16	0		—			—			—	

NOTE.—The Tables 9 and 10 are applicable to any breadth, because the number of Running Feet in a Square, or Square Yard, is proportionate to the number contained in a Standard of that size. For instance: To ascertain the price per Standard at per Square, first find how many feet in a Standard by Table I., next how many in a Square of the required breadth by Table VII., then proceed as in Rule of Three.

EXAMPLES—

At 10s. per Square 1 × 12 in, how much per foot?
At 10s. „ 1 × 6 in., „ „

ft.	ft.	s.	£	s.	d.
100 :	1,980 ::	10 =	9	18	0
200 :	3,960 ::	10 =	9	18	0

TABLE No. X.

SHOWING PRICE PER PETERSBURG STANDARD AT SO MUCH PER SQUARE YARD.

Price per Square Yard.		1⅛ in. thick (or 2 out of 3 in.)			1¼ in. thick (or 2 out of 2½ in.)			1 in. thick (or 3 out of 3 in.)			⅞ in. thick (or 3 out of 2½ in.)			¾ in. thick (or 4 out of 3 in.)			⅝ in. thick (or 4 out of 2½ in.)		
s.	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
0	1	0	12	2⅔	0	14	8	0	18	4	1	2	0	1	4	5⅓	1	9	4
0	2	1	4	5⅓	1	9	4	1	16	8	2	4	0	2	8	10⅔	2	18	8
0	3	1	16	8	2	4	0	2	15	0	3	6	0	3	13	4	4	8	0
0	4	2	8	10⅔	2	18	8	3	13	4	4	8	0	4	17	9⅓	5	17	4
0	5	3	1	1⅓	3	13	4	4	11	8	5	10	0	6	2	2⅔	7	6	8
0	6	3	13	4	4	8	0	5	10	0	6	12	0	7	6	8	8	16	0
0	6½	3	19	5⅓	4	15	4	5	19	2	7	3	0	7	18	10⅔	9	10	8
0	7	4	5	6⅔	5	2	8	6	8	4	7	14	0	8	11	1⅓	10	5	4
0	7½	4	11	8	5	10	0	6	17	6	8	5	0	9	3	4	11	0	0
0	8	4	17	9⅓	5	17	4	7	6	8	8	16	0	9	15	6⅔	11	14	8
0	8½	5	3	10⅔	6	4	8	7	15	10	9	7	0	10	7	9⅓	12	9	4
0	9	5	10	0	6	12	0	8	5	0	9	18	0	11	0	0	13	4	0
0	9½	5	16	1⅓	6	19	4	8	14	2	10	9	0	11	12	2⅔	13	18	8
0	10	6	2	2⅔	7	6	8	9	3	4	11	0	0	12	4	5⅓	14	13	4
0	10½	6	8	4	7	14	0	9	12	6	11	11	0	12	16	8	15	8	0
0	11	6	14	5⅓	8	1	4	10	1	8	12	2	0	13	8	10⅔	16	2	8
0	11½	7	0	6⅔	8	8	8	10	10	10	12	13	0	14	1	1⅓	16	17	4
1	0	7	6	8	8	16	0	11	0	0	13	4	0	14	13	4	17	12	0
1	0½	7	12	9⅓	9	3	4	11	9	2	13	15	0	15	5	6⅔	18	6	8
1	1	7	18	10⅔	9	10	8	11	18	4	14	6	0	15	17	9⅓	19	1	4
1	1½	8	5	0	9	18	0	12	7	6	14	17	0	16	10	0	19	16	0
1	2	8	11	1⅓	10	5	4	12	16	8	15	8	0	17	2	2⅔	20	10	8
1	2½	8	17	2⅔	10	12	8	13	5	10	15	19	0	17	14	5⅓	21	5	4
1	3	9	3	4	11	0	0	13	15	0	16	10	0	18	6	8	22	0	0
1	3½	9	9	5⅓	11	7	4	14	4	2	17	1	0	18	18	10⅔	22	14	8
1	4	9	15	6⅔	11	14	8	14	13	4	17	12	0	19	11	1⅓	23	9	4
1	4½	10	1	8	12	2	0	15	2	6	18	3	0	20	3	4	24	4	0
1	5	10	7	9⅓	12	9	4	15	11	8	18	14	0	20	15	6⅔	24	18	8
1	5½	10	13	10⅔	12	16	8	16	0	10	19	5	0	21	7	9⅓	25	13	4
1	6	11	0	0	13	4	0	16	10	0	19	16	0	22	0	0	26	8	0
1	6½	11	6	1⅓	13	11	4	16	19	2	20	7	0	22	12	2⅔	27	2	8
1	7	11	12	2⅔	13	18	8	17	8	4	20	18	0	23	4	5⅓	27	17	4
1	7½	11	18	4	14	6	0	17	17	6	21	9	0	23	16	8	28	12	0
1	8	12	4	5⅓	14	13	4	18	6	8	22	0	0	24	8	10⅔	29	6	8
1	8½	12	10	6⅔	15	0	8	18	15	10									
1	9	12	16	8	15	8	0	19	5	0									
1	9½	13	2	9⅓	15	15	4	19	14	2									
1	10	13	8	10⅔	16	2	8	20	3	4									
1	10½	13	15	0	16	10	0	20	12	6									
1	11	14	1	1⅓	16	17	4	21	1	8									
1	11½	14	7	2⅔	17	4	8	21	10	10									
2	0	14	13	4	17	12	0	22	0	0									

N.B.—See Note to Table 9, which applies equally to the Square Yard as to the Square.

TABLE No. XI.

SHOWING No. OF SUPERFICIAL FEET IN A STANDARD OF FLOORING, AND THE PRICE PER SQUARE AT SO MUCH PER STANDARD OF GIVEN SIZE.

Price per Standard.	792 Sp. ft. 2½ inches thick.	1320 Sp. ft. 1½ inches, or 2 out of 3 ins.	1584 Sp. ft. 1¼ inches, or 2 out of 2½ ins.	1980 Sp. ft. 1 inch, or 3 out of 3 ins.	2376 Sp. ft. ⅞ ins. or 3 out of 2½ ins.	2640 Sp. ft. ¾ inch, or 4 out of 3 ins.	3300 Sp. ft. ⅝ inch, or 5 out of 3 ins.
£ s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
0 2 6	0 $3\frac{26}{33}$	0 $2\frac{8}{11}$	0 $1\frac{59}{66}$	0 $1\frac{17}{33}$	0 $1\frac{26}{99}$	0 $1\frac{3}{22}$	0 $0\frac{10}{11}$
0 5 0	0 $7\frac{18}{33}$	0 $4\frac{6}{11}$	0 $3\frac{28}{33}$	0 $3\frac{7}{33}$	0 $2\frac{62}{99}$	0 $2\frac{3}{11}$	0 $1\frac{9}{11}$
0 7 6	0 $11\frac{4}{11}$	0 $6\frac{9}{11}$	0 $5\frac{15}{22}$	0 $4\frac{18}{33}$	0 $3\frac{26}{33}$	0 $3\frac{9}{22}$	0 $2\frac{8}{11}$
0 10 0	1 $3\frac{6}{33}$	0 $9\frac{1}{11}$	0 $7\frac{10}{33}$	0 $6\frac{3}{33}$	0 $5\frac{5}{99}$	0 $4\frac{6}{11}$	0 $3\frac{7}{11}$
0 12 6	1 $6\frac{31}{33}$	0 $11\frac{4}{11}$	0 $9\frac{31}{66}$	0 $7\frac{19}{33}$	0 $6\frac{31}{99}$	0 $5\frac{15}{22}$	0 $4\frac{6}{11}$
0 15 0	1 $10\frac{8}{11}$	1 $1\frac{7}{11}$	0 $11\frac{29}{33}$	0 $9\frac{1}{11}$	0 $7\frac{88}{99}$	0 $6\frac{9}{11}$	0 $5\frac{1}{11}$
0 17 6	2 $2\frac{17}{33}$	1 $3\frac{10}{11}$	1 $1\frac{17}{66}$	0 $10\frac{20}{33}$	0 $8\frac{83}{99}$	0 $7\frac{21}{22}$	0 $6\frac{4}{11}$
1 0 0	2 $6\frac{4}{33}$	1 $6\frac{2}{11}$	1 $3\frac{5}{33}$	1 $0\frac{1}{33}$	0 $10\frac{10}{99}$	0 $9\frac{1}{11}$	0 $7\frac{8}{11}$
2 0 0	5 $0\frac{20}{33}$	3 $0\frac{4}{11}$	2 $6\frac{10}{33}$	2 $0\frac{8}{33}$	1 $8\frac{20}{99}$	1 $6\frac{9}{11}$	1 $2\frac{6}{11}$
3 0 0	7 $6\frac{30}{33}$	4 $6\frac{6}{11}$	3 $9\frac{15}{33}$	3 $0\frac{4}{11}$	2 $6\frac{88}{99}$	2 $3\frac{3}{11}$	1 $9\frac{9}{11}$
4 0 0	10 $1\frac{7}{33}$	6 $0\frac{8}{11}$	5 $0\frac{20}{33}$	4 $0\frac{16}{33}$	3 $4\frac{40}{99}$	3 $0\frac{4}{11}$	2 $5\frac{1}{11}$
5 0 0	12 $7\frac{17}{33}$	7 $6\frac{14}{11}$	6 $3\frac{25}{33}$	5 $0\frac{20}{33}$	4 $2\frac{60}{99}$	3 $9\frac{1}{11}$	3 $0\frac{4}{11}$
6 0 0	15 $1\frac{9}{11}$	9 $1\frac{1}{11}$	7 $6\frac{10}{11}$	6 $0\frac{8}{11}$	5 $0\frac{20}{33}$	4 $6\frac{6}{11}$	3 $7\frac{7}{11}$
7 0 0	17 $8\frac{4}{33}$	10 $7\frac{3}{11}$	8 $10\frac{2}{33}$	7 $0\frac{28}{33}$	5 $10\frac{70}{99}$	5 $3\frac{7}{11}$	4 $2\frac{1}{11}$
8 0 0	20 $2\frac{14}{33}$	12 $1\frac{5}{11}$	10 $1\frac{7}{33}$	8 $0\frac{32}{33}$	6 $8\frac{80}{99}$	6 $0\frac{8}{11}$	4 $10\frac{2}{11}$
9 0 0	22 $8\frac{8}{11}$	13 $7\frac{7}{11}$	11 $4\frac{4}{11}$	9 $1\frac{1}{11}$	7 $6\frac{10}{11}$	6 $9\frac{2}{11}$	5 $5\frac{5}{11}$
10 0 0	25 $3\frac{1}{33}$	15 $1\frac{9}{11}$	12 $7\frac{17}{33}$	10 $1\frac{7}{33}$	8 $5\frac{1}{99}$	7 $6\frac{10}{11}$	6 $0\frac{8}{11}$
11 0 0	27 $9\frac{21}{33}$	16 8	13 $10\frac{2}{3}$	11 $1\frac{3}{3}$	9 $3\frac{1}{9}$	8 4	6 8
12 0 0	30 $3\frac{7}{11}$	18 $2\frac{2}{11}$	15 $1\frac{2}{11}$	12 $1\frac{1}{11}$	10 $2\frac{7}{33}$	9 $1\frac{1}{11}$	7 $3\frac{3}{11}$
13 0 0	32 $10\frac{5}{11}$	19 $8\frac{4}{11}$	16 $4\frac{32}{33}$	13 $1\frac{19}{33}$	10 $11\frac{31}{99}$	9 $10\frac{2}{11}$	7 $10\frac{6}{11}$
14 0 0	35 $4\frac{8}{33}$	21 $2\frac{6}{11}$	17 $8\frac{4}{33}$	14 $1\frac{23}{33}$	11 $9\frac{41}{99}$	10 $7\frac{3}{11}$	8 $5\frac{9}{11}$
15 0 0	37 $10\frac{9}{11}$	22 $8\frac{8}{11}$	18 $11\frac{3}{11}$	15 $1\frac{9}{11}$	12 $7\frac{50}{99}$	11 $4\frac{4}{11}$	9 $1\frac{1}{11}$
16 0 0	40 $4\frac{28}{33}$	24 $2\frac{10}{11}$	20 $2\frac{14}{33}$	16 $1\frac{31}{33}$	13 $5\frac{81}{99}$	12 $1\frac{5}{11}$	9 $8\frac{4}{11}$
17 0 0	42 $11\frac{25}{33}$	25 $9\frac{1}{11}$	21 $5\frac{19}{33}$	17 $2\frac{2}{33}$	14 $3\frac{71}{99}$	12 $10\frac{6}{11}$	10 $3\frac{7}{11}$
18 0 0	45 $5\frac{5}{11}$	27 $3\frac{3}{11}$	22 $8\frac{8}{11}$	18 $2\frac{2}{11}$	15 $1\frac{9}{11}$	13 $7\frac{7}{11}$	10 $10\frac{10}{11}$

TABLE No. XII.

COMPARATIVE PRICE PER FATHOM, AT PER PETERSBURG STANDARD.

At Per Standard.	Per Fathom.	At Per Standard.	Per Fathom.	At Per Standard.	Per Fathom.
£ s.	£ s. d.	£ s.	£ s. d.	£ s.	£ s. d.
1 0	1 6 2	6 0	7 17 1	11 0	14 8 0
1 10	1 19 3	6 10	8 10 2	11 10	15 1 1
2 0	2 12 4	7 0	9 3 3	12 0	15 14 2
2 10	3 5 5	7 10	9 16 4	12 10	16 7 3
3 0	3 18 6	8 0	10 9 6	13 0	17 0 4
3 10	4 11 8	8 10	11 2 7	13 10	17 13 5
4 0	5 4 9	9 0	11 15 8	14 0	18 6 6
4 10	5 17 10	9 10	12 8 9	14 10	18 19 8
5 0	6 10 11	10 0	13 1 10	15 0	19 12 9
5 10	7 4 0	10 10	13 14 11	15 10	20 5 10

NOTE—In practice it is ascertained that there is a loss of about 4 per cent. to the buyer of Deal Ends by the Fathom, through the difference between a Measured Fathom and a Calculated Fathom, from the uneven thicknesses and irregular lengths of the Ends together with the spaces between the Ends not being taken into account.

TABLE No. XIII.

SHOWING PRICE PER FOOT RUN OF SCANTLING, AT SO MUCH PER CUBIC FOOT.

Square inches.	At 1s. 0d.	At 1s. 3d.	At 1s. 6d.	At 2s. 0d.	At 2s. 3d.	At 2s. 6d.	At 2s. 9d.	At 3s. 3d.
	d.	d.	d.	s. d.	s. d.	s. d.	s. d.	s. d.
4	1/3	1/2	4/6	0 0 2/3	0 0 3/4	0 0 5/6	0 1	0 1 1/6
6	1/2	5/8	6/6	0 1	0 1 1/8	0 1 1/4	0 1 3/8	0 1 5/8
8	2/3	6/6	8/6	0 1 1/3	0 1 1/2	0 1 2/3	0 1 5/6	0 2 1/6
10	6/6	1	1 1/6	0 1 2/3	0 1 7/8	0 2	0 2 1/6	0 2 3/4
12	1	1 1/4	1 1/3	0 2	0 2 1/4	0 2 1/2	0 2 3/4	0 3 1/4
14	1 1/6	1 1/2	1 5/6	0 2 1/3	0 2 5/8	0 3	0 3 1/4	0 3 3/4
16	1 1/3	1 2/3	1 7/9	0 2 2/3	0 3	0 3 1/3	0 3 5/6	0 4 1/3
18	1 1/2	1 7/8	2	0 3	0 3 3/8	0 3 3/4	0 4 1/8	0 4 7/8
20	1 2/3	2	2 2/9	0 3 1/3	0 3 3/4	0 4 1/6	0 4 1/2	0 5 1/2
22	1 5/6	2 1/8	2 4/9	0 3 2/3	0 4 1/8	0 4 5/8	0 5	0 6
24	2	2 1/2	2 2/3	0 4	0 4 1/2	0 5	0 5 1/2	0 6 1/2
26	2 1/6	2 3/4	2 6/9	0 4 1/3	0 4 7/8	0 5 1/2	0 6	0 7
28	2 1/3	3	3 1/9	0 4 2/3	0 5 1/4	0 5 5/6	0 6 1/8	0 7 1/2
30	2 1/2	3 1/8	3 1/3	0 5	0 5 5/8	0 6 1/4	0 6 7/8	0 8 1/8
32	2 2/3	3 1/3	3 5/9	0 5 1/3	0 6	0 6 2/3	0 7 1/3	0 8 2/3
34	2 5/6	3 1/2	3 7/9	0 5 2/3	0 6 3/8	0 7	0 7 1/4	0 9 1/4
36	3	3 3/4	4	0 6	0 6 3/4	0 7 1/2	0 8 1/4	0 9 3/4
38	3 1/6	4	4 2/9	0 6 1/3	0 7 1/8	0 8	0 8 3/4	0 10 1/3
40	3 1/3	4 1/8	4 4/9	0 6 2/3	0 7 1/2	0 8 1/3	0 9 1/8	0 10 5/8
42	3 1/2	4 3/8	4 6/9	0 7	0 7 7/8	0 8 3/4	0 9 2/3	0 11 3/8
44	3 2/3	4 1/2	4 8/9	0 7 1/3	0 8 1/4	0 9 1/6	0 10	1 0
46	3 5/6	4 3/4	5 1/9	0 7 2/3	0 8 5/8	0 9 1/2	0 10 1/2	1 0 1/2
48	4	5	5 1/3	0 8	0 9	0 10	0 11	1 1
50	4 1/6	5 1/4	5 5/9	0 8 1/3	0 9 3/8	0 10 1/2	0 11 1/2	1 1 1/2
52	4 1/3	5 1/2	5 7/9	0 8 2/3	0 9 3/4	0 10 5/6	1 0	1 2
54	4 1/2	5 5/8	6	0 9	0 10 1/8	0 11 1/4	1 0 3/8	1 2 2/3
56	4 2/3	5 5/6	6 2/9	0 9 1/3	0 10 1/2	0 11 2/3	1 0 5/6	1 3 1/6
58	4 5/6	6	6 4/9	0 9 2/3	0 10 7/8	1 0	1 1 1/3	1 3 3/4
60	5	6 1/4	6 6/9	0 10	0 11 1/4	1 0 1/2	1 1 3/4	1 4 1/4
62	5 1/6	6 1/2	6 8/9	0 10 1/3	0 11 5/8	1 1	1 2 1/4	1 4 3/4
64	5 1/3	6 2/3	7 1/9	0 10 2/3	1 0	1 1 1/3	1 2 3/4	1 5 1/3
66	5 1/2	6 7/8	7 1/3	0 11	1 0 3/8	1 1 3/4	1 3 1/8	1 5 7/8
68	5 2/3	7 1/12	7 5/9	0 11 1/3	1 0 3/4	1 2 1/6	1 3 7/12	1 6 10/24
70	5 5/6	7 1/3	7 7/9	0 11 2/3	1 1 1/8	1 2 7/12	1 4	1 7
72	6	7 1/2	8	1 0	1 1 1/2	1 3	1 4 1/2	1 7 1/2
74	6 1/6	7 3/4	8 2/9	1 0 1/3	1 1 7/8	1 3 5/12	1 5	1 8
76	6 1/3	7 11/12	8 4/9	1 0 2/3	1 2 1/4	1 3 10/12	1 5 5/12	1 8 7/12
78	6 1/2	8 1/8	8 6/9	1 1	1 2 5/8	1 4 1/4	1 5 7/8	1 9 1/8
80	6 2/3	8 1/3	8 8/9	1 1 1/3	1 3	1 4 2/3	1 6 1/3	1 9 2/3
82	6 5/6	8 1/2	9 1/9	1 1 2/3	1 3 3/8	1 5 1/12	1 6 5/6	1 10 1/24
84	7	8 3/4	9 1/3	1 2	1 3 3/4	1 5 1/2	1 7 1/4	1 10 3/4
86	7 1/6	9	9 5/9	1 2 1/3	1 4 1/8	1 5 11/12	1 7 3/4	1 11 1/4
88	7 1/3	9 1/8	9 7/9	1 2 2/3	1 4 1/2	1 6 2/3	1 8 1/6	1 11 5/8
90	7 1/2	9 1/3	10	1 3	1 4 7/8	1 6 3/4	1 8 5/6	2 0 3/8

TABLE No. XIII.—*continued.*

Square inches.	At 3s. 6d.	At 3s. 9d.	At 4s. 0d.	At 4s. 6d.	At 5s. 0d.	At 5s. 6d.	At 6s. 0d.	At 6s. 6d.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
4	0 1 1/2	0 1 1/2	0 1 1/3	0 1 1/2	0 1 2/3	0 1 5/6	0 2	0 2 1/6
6	0 1 3/4	0 1 7/8	0 2	0 2 1/4	0 2 1/2	0 2 3/4	0 3	0 3 1/4
8	0 2 1/2	0 2 1/2	0 2 2/3	0 3	0 3 1/3	0 3 2/3	0 4	0 4 1/3
10	0 3	0 3 1/8	0 3 1/3	0 3 1/2	0 4 1/6	0 4 7/12	0 5	0 5 5/12
12	0 3 1/2	0 3 3/4	0 4	0 4 1/2	0 5	0 5 1/2	0 6	0 6 1/2
14	0 4 1/4	0 4 3/8	0 4 2/3	0 5 1/4	0 5 5/6	0 6 5/12	0 7	0 7 7/12
16	0 4 3/4	0 5	0 5 1/3	0 6	0 6 2/3	0 7 1/3	0 8	0 8 2/3
18	0 5 1/4	0 5 5/8	0 6	0 6 3/4	0 7 1/2	0 8 1/4	0 9	0 9 3/4
20	0 6	0 6 1/4	0 6 2/3	0 7 1/2	0 8 1/3	0 9 1/6	0 10	0 10 5/6
22	0 6 1/2	0 6 7/8	0 7 1/3	0 8 1/4	0 9 1/6	0 10 1/12	0 11	0 11 11/12
24	0 7	0 7 1/2	0 8	0 9	0 10	0 11	1 0	1 1
26	0 7 3/4	0 8 1/8	0 8 2/3	0 9 3/4	0 10 5/6	0 11 11/12	1 1	1 2 1/12
28	0 8 1/4	0 8 3/4	0 9 1/3	0 10 1/2	0 11 2/3	1 0 5/6	1 2	1 3 1/6
30	0 9	0 9 3/8	0 10	0 11 1/4	1 0 1/6	1 1 5/12	1 3	1 4 1/4
32	0 9 1/2	0 10	0 10 2/3	1 0	1 1 1/3	1 2 5/6	1 4	1 5 1/3
34	0 10	0 10 5/8	0 11 1/3	1 0 1/2	1 2 1/6	1 3 7/12	1 5	1 6 5/12
36	0 10 1/2	0 11 1/4	1 0	1 1 1/2	1 3	1 4 1/2	1 6	1 7 1/2
38	0 11 1/2	0 11 7/8	1 0 2/3	1 2 1/4	1 4	1 5 5/12	1 7	1 8 7/12
40	1 0	1 0 1/2	1 1 1/3	1 3	1 4 2/3	1 6 1/3	1 8	1 9 2/3
42	1 0 1/2	1 1 1/8	1 2	1 3 1/2	1 5 1/3	1 7 1/4	1 9	1 10 1/2
44	1 1	1 1 1/4	1 2 2/3	1 4 1/2	1 6 1/3	1 8 1/6	1 10	1 11 5/6
46	1 1 1/4	1 2 3/8	1 3 1/3	1 5 1/4	1 7 1/6	1 9 1/12	1 11	2 0 11/12
48	1 2	1 3	1 4	1 6	1 8	1 10	2 0	2 2
50	1 2 1/2	1 3 5/8	1 4 2/3	1 6 3/4	1 8 5/6	1 10 11/12	2 1	2 3 1/12
52	1 3 1/4	1 4 1/4	1 5 1/3	1 7 1/2	1 9 1/3	1 11 5/6	2 2	2 4 1/6
54	1 3 3/4	1 4 7/8	1 6	1 8 1/4	1 10 1/2	2 0 3/4	2 3	2 5 1/4
56	1 4 1/4	1 5 1/2	1 6 2/3	1 9	1 11 1/6	2 1 5/6	2 4	2 6 1/3
58	1 5	1 6 1/8	1 7 1/3	1 9 3/4	2 0 1/6	2 2 7/12	2 5	2 7 5/12
60	1 5 1/2	1 6 3/4	1 8	1 10 1/2	2 1	2 3 1/2	2 6	2 8 1/2
62	1 6	1 7 3/8	1 8 2/3	1 11 1/4	2 1 5/6	2 4 5/12	2 7	2 9 7/12
64	1 6 3/4	1 8	1 9 1/3	2 0	2 2 2/3	2 5 1/3	2 8	2 10 2/3
66	1 7 1/4	1 8 5/8	1 10	2 0 1/2	2 3 1/3	2 6 1/4	2 9	2 11 3/4
68	1 7 3/4	1 9 1/4	1 10 2/3	2 1 1/2	2 4 1/3	2 7 1/6	2 10	3 0 5/6
70	1 8 1/2	1 9 7/8	1 11 1/3	2 2 1/4	2 5 1/6	2 8 1/12	2 11	3 1 11/12
72	1 9	1 10 1/2	2 0	2 3	2 6	2 9	3 0	3 3
74	1 9 1/2	1 11 1/8	2 0 2/3	2 3 3/4	2 6 5/6	2 9 11/12	3 1	3 4 1/12
76	1 10 1/4	1 11 3/4	2 1 1/3	2 4 1/2	2 7 2/3	2 10 5/6	3 2	3 5 1/6
78	1 10 3/4	2 0 3/8	2 2	2 5 1/4	2 8 1/2	2 11 5/12	3 3	3 6 1/4
80	1 11 1/4	2 1	2 2 2/3	2 6	2 9 1/3	3 0 2/3	3 4	3 7 1/3
82	2 0	2 1 5/8	2 3 1/3	2 6 3/4	2 10 1/6	3 1 7/12	3 5	3 8 5/12
84	2 0 1/2	2 2 1/4	2 4	2 7 1/2	2 11	3 2 1/2	3 6	3 9 1/2
86	2 1	2 2 7/8	2 4 2/3	2 8 1/4	2 11 5/6	3 3 5/12	3 7	3 10 7/12
88	2 1 1/2	2 3 1/2	2 5 1/3	2 9	3 0 2/3	3 4 1/4	3 8	3 11 2/3
90	2 2 1/4	2 4 1/8	2 6	2 9 3/4	3 1 1/2	3 5 1/4	3 9	4 0 3/4

TABLE No. XIV.

SHOWING No. OF FEET 1 × 1 IN. CONTAINED IN ANY GIVEN LENGTH.

Sizes.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	11 ft.	12 ft.
4 × 13	312	364	416	468	520	572	624
4 × 12	288	336	384	432	480	528	576
4 × 11	264	308	352	396	440	484	528
4 × 9	216	252	288	324	360	396	432
4 × 7	168	196	224	252	280	308	330
3 × 17	306	357	408	459	510	561	612
3 × 15	270	315	360	415	450	495	540
3 × 14	252	294	336	378	420	462	504
3 × 13	234	273	312	351	390	429	468
3 × 11	198	231	264	297	330	363	396
3 × 10	180	210	240	270	300	330	360
3 × 9	162	189	216	243	270	297	324
3 × 8	144	168	192	216	240	264	288
3 × 7	126	147	168	189	210	231	252
3 × 6	108	126	144	162	180	198	216
2½ × 11	165	192½	220	247½	275	302½	330
2½ × 10	150	175	200	225	250	275	300
2½ × 9	135	157½	180	207½	225	247½	270
2½ × 8	120	140	160	180	200	220	240
2½ × 7	105	122½	140	157½	175	192½	210
2½ × 6½	97½	113¾	130	146¼	162½	178¾	195
2½ × 6	90	105	120	135	150	165	180
2½ × 5½	82½	96¼	110	123¾	137½	151¼	165
2 × 11	132	154	176	198	220	242	264
2 × 9	108	126	144	162	180	198	216
2 × 7	84	98	112	126	140	154	168
2 × 6	72	84	96	108	120	132	144
1½ × 11	99	115½	132	148½	165	181½	198
1½ × 9	81	94½	108	121½	135	148½	162
1½ × 7	63	73½	84	94½	105	115½	126
1¼ × 11	82½	96¼	110	123¾	137½	151¼	165
1¼ × 9	67½	78¾	90	101¼	112½	123¾	135
1¼ × 7	52½	61¼	70	78¾	87½	96¼	105
1 × 11	66	77	88	99	110	121	132
1 × 9	54	63	72	81	90	99	108
1 × 7	42	49	56	63	70	77	84
1 × 6	36	42	48	54	60	66	72

The use of this Table will be seen in reducing to Cubic Feet, Superficial Feet, or Petersburg Standard.

Suppose 200 12 ft. 3 × 9 in. = 200 × 324 = 62800
or Divide by 12, to which 100 11 ft. 2½ × 7 in. = 100 × 192½ = 19250
add 1 °/₀ and then divide by 2000, thus— 82050

2000)6905$\frac{10}{12}$(3 1 24$\frac{7}{20}$
6000
905$\frac{10}{12}$
4
3623$\frac{4}{12}$
2000
1623$\frac{4}{12}$
30
48700
40000
8700
8000
700

12)82050
6837$\frac{6}{12}$ 1
68$\frac{4}{12}$
6905$\frac{10}{12}$

12)82050
12)6837$\frac{6}{12}$ Superficial Feet
5)569$\frac{9}{12}$ + $\frac{6}{144}$ = $\frac{19}{24}$ Cubic Feet
3)113$\frac{4}{5}$ + $\frac{19}{120}$ = $\frac{23}{24}$
11)37$\frac{2}{3}$ + $\frac{23}{72}$ = 1
3$\frac{4}{11}$ + $\frac{1}{11}$ = 3$\frac{5}{11}$ or £3 1 24$\frac{8}{11}$

TABLE No. XIV.—*continued.*

SHOWING NO. OF FEET OF 1 × 1 IN. CONTAINED IN ANY GIVEN SIZE.

Sizes.	13 ft.	14 ft.	15 ft.	16 ft.	17 ft.	18 ft.	19 ft.
4 × 14	728	784	840	896	952	1008	1064
4 × 13	676	728	780	832	884	936	988
4 × 12	624	672	720	768	816	864	912
4 × 11	572	616	660	704	748	792	836
4 × 10	520	560	600	640	680	720	760
4 × 9	468	504	540	576	612	648	684
4 × 8	416	448	480	512	544	576	608
4 × 7	364	392	420	448	476	504	532
3 × 17	663	714	765	816	867	918	969
3 × 16	624	672	720	768	816	864	912
3 × 15	585	630	675	720	765	810	855
3 × 14	546	588	630	672	714	756	798
3 × 13	507	546	585	624	663	702	741
3 × 12	468	504	540	576	612	648	684
3 × 11	429	462	495	528	561	594	627
3 × 10	390	420	450	480	510	540	570
3 × 9	351	378	405	432	459	486	513
3 × 8	312	336	360	384	408	432	456
3 × 7	273	294	315	336	357	378	399
3 × 6	234	252	270	288	306	324	342
2½ × 12	390	420	450	480	510	540	570
2½ × 11	357½	385	412½	440	467½	495	522½
2½ × 10	325	350	375	400	425	450	475
2½ × 9	292½	315	337½	360	382½	405	427½
2½ × 8	260	280	300	320	340	360	380
2½ × 7	227½	245	262½	280	297½	315	332½
2½ × 6½	211¼	227½	243¾	260	276¼	292½	308¾
2½ × 6	195	210	225	240	265	280	295
2½ × 5½	178¾	192¼	206¼	220	233¾	247½	261¼
2 × 11	286	308	330	352	374	396	418
2 × 9	234	252	270	288	306	324	342
2 × 7	182	196	210	224	238	252	266
2 × 6	156	168	180	192	204	216	228
1½ × 11	214½	231	247½	264	280½	297	313½
1½ × 9	175½	189	202½	216	229½	243	256½
1½ × 7	136½	147	157½	168	178½	189	199½
1¼ × 11	178¾	192½	206¼	220	233¾	247½	261¼
1¼ × 9	146¼	157½	168¾	180	191¼	202½	213¾
1¼ × 7	113¾	122½	131¼	140	148¾	157½	166¼
1 × 11	143	154	165	176	187	198	209
1 × 9	117	126	135	144	153	162	171
1 × 7	91	98	105	112	119	126	133
1 × 6	78	84	90	96	102	108	114
1 × 5	65	70	75	80	85	90	95
1 × 4½	58½	63	67½	72	76½	81	85½

TABLE No. XIV.—*continued.*

SHOWING NUMBER OF RUNNING FEET 1 × 1 IN. IN ANY LENGTH OF GIVEN SIZE.

Sizes.	20 ft.	21 ft.	22 ft.	23 ft.	24 ft.	25 ft.	26 ft.
4 × 14	1120	1176	1232	1288	1344	1400	1456
4 × 13	1040	1092	1144	1196	1248	1300	1352
4 × 12	960	1008	1056	1104	1152	1200	1248
4 × 11	880	924	968	1012	1056	1100	1144
4 × 10	800	840	880	920	960	1000	1040
4 × 9	720	756	792	828	864	900	936
4 × 8	640	672	704	736	768	800	832
4 × 7	560	588	616	644	672	700	728
3 × 17	1020	1071	1122	1173	1224	1275	1326
3 × 16	960	1008	1056	1104	1152	1200	1248
3 × 15	900	945	990	1035	1080	1125	1170
3 × 14	840	882	924	966	1008	1050	1092
3 × 13	780	819	858	897	936	975	1014
3 × 12	720	756	792	828	864	900	936
3 × 11	660	693	726	759	792	825	858
3 × 10	600	630	660	690	720	750	780
3 × 9	540	567	594	621	648	675	702
3 × 8	480	504	528	552	576	600	624
3 × 7	420	441	462	483	504	525	546
3 × 6	360	378	396	414	432	450	468
2½ × 12	600	630	660	690	720	750	780
2½ × 11	550	577½	605	632½	660	687½	715
2½ × 10	500	525	550	575	600	625	650
2½ × 9	450	472½	495	517½	540	562½	585
2½ × 8	400	420	440	460	480	500	520
2½ × 7	350	367½	385	402½	420	437½	455
2½ × 6½	325	341¼	357½	373¾	390	406¼	422½
2½ × 6	300	315	330	345	360	375	390
2½ × 5½	275	288¾	302½	316¼	330	343¾	357½
2 × 11	440	462	484	506	528	550	572
2 × 9	360	378	396	414	432	450	468
2 × 7	280	294	308	322	336	350	364
2 × 6	240	252	264	276	288	300	312
1½ × 11	330	346½	363	379½	396	412½	429
1½ × 9	270	283½	297	310½	324	337½	351
1½ × 7	210	220½	231	241½	252	262½	273
1¼ × 11	275	288¾	302½	316¼	330	343¾	357½
1¼ × 9	225	236¼	247½	258¾	270	281¼	292½
1¼ × 7	175	183¾	192½	201¼	210	218¾	227½
1 × 11	220	231	242	253	264	275	286
1 × 9	180	189	198	207	216	225	234
1 × 7	140	147	154	161	168	175	182
1 × 6	120	126	132	138	144	150	156
1 × 5	100	105	110	115	120	125	130
1 × 4½	90	94½	99	103½	108	112½	117

TABLE No. XV.

SHOWING SUPERFICIAL AREA IN YARDS AND FEET, THE LENGTH AND THE BREADTH BEING GIVEN IN FEET AND INCHES.

Ins.	6 Feet.			7 Feet.			8 Feet.			9½ Feet.			10 Feet.			11 Feet.			12 Feet.		
	Yds.	ft.	ins.	Yds.	ft.	ins.	Yds.	ft.	ins.	Yds.	ft.	ins.	Yds.	ft.	ins.	Yds.	ft.	ins.	Yds.	ft.	ins.
1	0	0	6	0	0	7	0	0	8	0	0	9½	0	0	10	0	0	11	0	1	0
3	0	1	6	0	1	9	0	2	0	0	2	4	0	2	6	0	2	9	0	3	0
6	0	3	0	0	3	6	0	4	0	0	4	9	0	5	0	0	5	6	0	6	0
9	0	4	6	0	5	3	0	6	0	0	7	1	0	7	6	0	8	3	0	9	0

	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.
6	4	0	4	6	5	3	6	3	6	6	7	3	8	0
7	4	6	5	4	6	2	7	3½	7	7	8	5	9	3
8	5	3	6	2	7	1	8	4	8	8	9	7	10	6
9	6	0	7	0	8	0	9	4½	10	0	11	0	12	0
10	6	6	7	7	8	8	10	5	11	1	12	2	13	3
11	7	3	8	5	9	7	11	5½	12	2	13	4	14	6
12	8	0	9	3	10	6	12	6	13	3	14	6	16	0
13	8	6	10	1	11	5	13	6½	14	4	15	8	17	3
14	9	3	10	8	12	4	14	7	15	5	17	1	18	6
15	10	0	11	6	13	3	15	7½	16	6	18	3	20	0
16	10	6	12	4	14	2	16	8	17	7	19	5	21	3
17	11	3	13	2	15	1	17	8½	18	8	20	7	22	6
18	12	0	14	0	16	0	19	0	20	0	22	0	24	0
19	12	6	14	7	16	8	20	0½	21	1	23	2	25	3
20	13	3	15	5	17	7	21	1	22	2	24	4	26	6
21	14	0	16	3	18	6	22	1½	23	3	25	6	28	0
22	14	6	17	1	19	5	23	2	24	4	26	8	29	3
23	15	3	17	8	20	4	24	2½	25	5	28	1	30	6
24	16	0	18	6	21	3	25	3	26	6	29	3	32	0
25	16	6	19	4	22	2	26	3½	27	7	30	5	33	0
26	17	3	20	2	23	1	27	4	28	8	31	7	34	0
27	18	0	21	0	24	0	28	4½	30	0	33	0	36	0
28	18	6	21	7	24	8	29	5	31	1	34	2	37	3
29	19	3	22	5	25	7	30	5½	32	2	35	4	38	6
30	20	0	23	3	26	6	31	6	33	3	36	6	40	0
31	20	6	24	1	27	5	32	6½	34	4	37	8	41	3
32	21	3	24	8	28	4	33	7	35	5	39	1	42	6
33	22	0	25	6	29	3	34	7½	36	6	40	3	44	0
34	22	6	26	4	30	2	35	8	37	7	41	5	45	3
35	23	3	27	2	31	1	36	8½	38	8	42	7	46	6
36	24	0	28	0	32	0	38	0	40	0	44	0	48	0
37	24	6	28	7	32	8	39	0½	41	1	45	2	49	3
38	25	3	29	5	33	7	40	1	42	2	46	4	50	6
39	26	0	30	3	34	6	41	1½	43	3	47	6	52	0
40	26	6	31	1	35	5	42	2	44	4	48	8	53	3
41	27	3	31	8	36	4	43	2½	45	5	50	1	54	6
42	28	0	32	6	37	3	44	3	46	6	51	3	56	0
43	28	6	33	4	38	2	45	3½	47	7	52	5	57	3
44	29	3	34	2	39	1	46	4	48	8	53	7	58	6
45	30	0	35	0	40	0	47	4½	50	0	55	0	60	0
46	30	6	35	7	40	8	48	5	51	1	56	2	61	3
47	31	3	36	5	41	7	49	5½	52	2	57	4	62	6
48	*32*	*0*	*37*	*3*	42	6	50	6	53	3	58	6	64	0

NOTE.—9 Feet is omitted because there are just as many yards as there are lineal *feet given.*

TABLE No. XV.—SHOWING SUPERFICIAL AREA IN YARDS—*continued.*

	13 feet.			14 feet.			15 feet.			16 feet.			17 feet.			19 feet.			20 feet.		
In.	Yds.	ft	in.	Yds.	ft.	in.	Yds.	ft.	in.	Yds.	ft.	in.	Yds.	ft.	in.	Yds.	ft.	in.	Yds.	ft.	in.
1	0	1	1	0	1	2	0	1	3	0	1	4	0	1	5	0	1	7	0	1	8
3	0	3	3	0	3	6	0	3	9	0	4	0	0	4	3	0	4	9	0	5	0
6	0	6	6	0	7	0	0	7	6	0	8	0	0	8	6	1	0	6	1	1	0
9	1	0	9	1	1	6	1	2	3	1	3	0	1	3	9	1	5	3	1	6	0

Ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.	Yds.	ft.
6	8	6	9	3	10	0	10	6	11	3	12	6	13	3
7	10	1	10	8	11	6	12	4	13	2	14	7	15	5
8	11	5	12	4	13	3	14	2	15	1	16	8	17	7
9	13	0	14	0	15	0	16	0	17	0	19	0	20	0
10	14	4	15	5	16	6	17	7	18	8	21	1	22	2
11	15	8	17	1	18	3	19	5	20	7	23	2	24	4
12	17	3	18	6	20	0	21	3	22	6	25	3	26	6
13	18	7	20	2	21	6	23	1	24	5	27	4	28	8
14	20	2	21	7	23	3	24	8	26	4	29	5	31	1
15	21	6	23	3	25	0	26	6	28	3	31	6	33	3
16	23	1	24	8	26	6	28	4	30	2	33	7	35	5
17	24	5	26	4	28	3	30	2	32	1	35	8	37	7
18	26	0	28	0	30	0	32	0	34	0	38	0	40	0
19	27	4	29	5	31	6	33	7	35	8	40	1	42	2
20	28	8	31	1	33	3	35	5	37	7	42	2	44	4
21	30	3	32	6	35	0	37	3	39	6	44	3	46	6
22	31	7	34	2	36	6	39	1	41	5	46	4	48	8
23	33	2	35	7	38	3	40	8	43	4	48	5	51	1
24	34	6	37	3	40	0	42	6	45	3	50	6	53	3
25	36	1	38	8	41	6	44	4	47	2	52	7	55	5
26	37	5	40	4	43	3	46	2	49	1	54	8	57	7
27	39	0	42	0	45	0	48	0	51	0	57	0	60	0
28	40	4	43	5	46	6	49	7	52	8	59	1	62	2
29	41	8	45	1	48	3	51	5	54	7	61	2	64	4
30	43	3	46	6	50	0	53	3	56	6	63	3	66	6
31	44	7	48	2	51	6	55	1	58	5	65	4	68	8
32	46	2	49	7	53	3	56	8	60	4	67	5	71	1
33	47	6	51	3	55	0	58	6	62	3	69	6	73	3
34	49	1	52	8	56	6	60	4	64	2	71	7	75	5
35	50	5	54	4	58	3	62	2	66	1	73	8	77	7
36	52	0	56	0	60	0	64	0	68	0	76	0	80	0
37	53	4	57	5	61	6	65	7	69	8	78	1	82	2
38	54	8	59	1	63	3	67	5	71	7	80	2	84	4
39	56	3	60	6	65	0	69	3	73	6	82	3	86	6
40	57	7	62	2	66	6	71	1	75	5	84	4	88	8
41	59	2	63	7	68	3	72	8	77	4	86	5	91	1
42	60	6	65	3	70	0	74	6	79	3	88	6	93	3
43	62	1	66	8	71	6	76	4	81	2	90	7	95	5
44	63	5	68	4	73	3	78	2	83	1	92	8	97	7
45	65	0	70	0	75	0	80	0	85	0	95	0	100	0
46	66	4	71	5	76	6	81	7	86	8	97	1	102	2
47	67	8	73	1	78	3	83	5	88	7	99	2	104	4
48	69	3	74	6	80	0	85	3	90	6	101	3	106	6

NOTE.—For 18 ft. reckon twice as many square yards as lineal feet given.

TABLE No. XVI.

SHOWING CONTENTS, AND ALSO READY METHOD TO ASCERTAIN CUBICAL CONTENTS OF ONE RUNNING FOOT OF TIMBER FROM THE QUARTER GIRTH, BY MULTIPLYING WHICH BY THE LENGTH, THE CONTENTS OF THE TREE ARE GIVEN. (144 Divisor.)

Girth in inches.	Mode of Operating with Length.	Contents of One Lineal Ft.	¼ Girth in inches.	Mode of Operating with Length.	Contents of One Lineal Ft.
		Ft. ins.			Ft. ins.
4	÷ 9	0 1⅓	15½	+ ⅔	1 8
4½	÷ 8	0 1½	16	+ ¾	1 9⅓
4½	÷ 7	0 1⅔	16½	× 2 & deduct 1 ft. in 10 ft. run	1 10¾
5	÷ 6	0 2			
5½	÷ 5	0 2½	17	× 2	2 0
6	÷ 4	0 3	17½	× 2 + ⅛ ...	2 1½
6½	× 3 ÷ 10 & deduct 1 in. in 12 ft. run	0 3½	18	× 2 + ¼ ...	2 3
			18½	× 2 + ⅜ ...	2 4½
7	÷ 3	0 4	19	× 2 + ½	2 6
7½	× 4 ÷ 10 & deduct 1 in. in 10 ft. run	0 4⅔	19½	× 2 + ⅝ ...	2 7½
			20	× 2 + ¾	2 9⅓
8	× 4 ÷ 9	0 5	20½	× 3 & deduct 1 in. to a foot ...	2 10½
8½	÷ 2	0 6			
9	× 4 ÷ 7 & deduct 1 in. in 10 ft. run	0 6¾	21	× 3	3 0⅔
			21½	× 3 + ⅙ ...	3 2½
9½	× 5 ÷ 8	0 7½	22	× 3 + ⅓ ...	3 4⅓
10	× 2 ÷ 3	0 8⅓	23	× 3 + ⅔ ...	3 8
10½	× 3 ÷ 4	0 9⅜	24	× 4	4 0
11	× 5 ÷ 6	0 10	25	× 4 + ⅓ ...	4 4
11½	× 11 ÷ 12	0 11	26	× 4 + ⅔ ...	4 8⅓
12	Contents = length	1 0	27	× 5	5 0⅔
12½	+ 1/12 to	1 1	28	× 5 + ⅔ ...	5 5⅓
13	+ ⅙ to	1 2	29	× 5 + ⅘ ...	5 10 1/12
13½	+ ¼ to	1 3	29½	× 6	6 0
14	+ ⅓ to	1 4⅓	30	× 6 + ¼	6 3
14½	+ ⅜ to	1 6	31	× 6 + ⅔ ...	6 8
15	+ ½ and add ¾ in. to a foot run	1 6⅔	31¾	× 7	7 0
			34	× 8	8 0⅓

EXAMPLES.—What is the Cubical Contents of an Ash Tree whose dimensions are as follows:—

11 feet 14¾ inches Quarter Girth.
8 „ 11½ „ „
7 „ 8½ „ „

By 1st TABLE.

11 ft. + ½ of 11 ft. = 16½ ft.
8 ft. × 11 ÷ 12 = 7⅓ ft.
7 ft. ÷ 2 ... = 3½ ft.
27⅓ Cub. ft.

By 2nd TABLE.

1 6 11 6
11 8 7
16 6 7 4 3 6
7 4
3 6

Answer 27 4 Cubic feet.

TIMBER RHYME.

Six girth is Quarter length, at least so we've heard,
But Seven girth it will be found, will always be a third;
Eight and half is just the half, without a bit of trouble,
Twelve is quite the whole length, and seventeen the double;
Take one half for larger girths, and four times the contents find,
The same applies for longer lengths, but double the contents, mind.

TABLE No. XVII.

Showing Ready Method of Reducing to Standard Quantity any Number of Running Feet of a Given Size.

Size.	Operation with Lineal Feet.	Size.	Operation with Lineal Feet.	Size.	Operation with Lineal Feet.
4 × 14	$+\frac{1}{3}+\frac{1}{6}\times 2\div 11$, 120	3 × 6	$\div 11$, 120	$1\frac{1}{2}\times$ 7	$\div 2+\frac{1}{6}\div 11$, 120
4 × 13	$\times 2+\frac{1}{3}+\frac{1}{12}\div 11$, 120	$2\frac{1}{2}\times 12$	$\times 10\div 6$, 11, 120	$1\frac{1}{2}\times$ 6	$\div 2$, 11, 120
4 × 12	$\times 2+\frac{1}{3}\div 11$, 120	$2\frac{1}{2}\times 11$	$-\frac{1}{6}\div 6$, 120	$1\frac{1}{2}\times 11$	$\times 5\div 12$, 6, 120
4 × 11	$+\frac{1}{3}\div 6$, 120	$2\frac{1}{2}\times 10$	$+\frac{1}{3}$ & $\frac{1}{6}$ of $\frac{1}{3}\div 11$, 120	$1\frac{1}{2}\times$ 9	$\div 2+\frac{1}{4}\div 11$, 120
4 × 10	$\times 2+\frac{1}{6}\div 11$, 120	$2\frac{1}{2}\times$ 9	$+\frac{1}{4}\div 11$, 120	$1\frac{1}{2}\times$ 7	$\div 2-\frac{1}{6}+\frac{1}{6}\div 11$, 120
4 × 9	$\times 2\div 11$, 120	$2\frac{1}{2}\times$ 8	$+\frac{1}{6}\div 11$, 120	$1\frac{1}{2}\times$ 6	$\times 2-\frac{1}{6}\div 11$, 120
4 × 8	$+\frac{1}{3}+\frac{1}{6}\div 11$, 120	$2\frac{1}{2}\times$ 7	$-\frac{1}{6}+\frac{1}{6}\div 11$, 120	1 ×12	$\div 3$, 11, 5, 12
4 × 7	$+\frac{1}{3}+\frac{1}{6}\div 11$, 120	$2\frac{1}{2}\times 6\frac{1}{2}$	$-\frac{1}{6}+\frac{1}{12}\div 11$, 120	1 ×11	$-\frac{1}{3}\div 12$, 120
3 × 17	$\times 2+\frac{1}{3}+\frac{1}{16}\div 11$, 120	$2\frac{1}{2}\times$ 6	$-\frac{1}{6}\div 11$, 120	1 ×10	$+\frac{1}{2}\div 2$, 11, 120
3 × 15	$+\frac{4}{11}\div 6$, 120	$2\frac{1}{2}\times 5\frac{1}{2}$	$\div 2-\frac{1}{6}\div\frac{1}{6}$, 120	1 × 9	$\div 2$, 11, 120
3 × 14	$+\frac{1}{6}\times 2\div 11$, 120	2 ×11	$\div 9$, 120	1 × 8	$+\frac{1}{3}\div 3$, 11, 120
3 × 13	$+\frac{2}{11}\div 6$, 120	2 × 9	$\div 11$, 120	1 × 7	$+\frac{1}{6}\div 3$, 11, 120
3 × 11	$\div 6$, 120	2 × 7	$-\frac{1}{6}+\frac{1}{6}\div 11$, 120	1 × 6	$\div 3\times 11\div 120$
3 × 10	$\times 10\div 6$, 11, 120	2 × 6	$-\frac{1}{3}\div 11$, 120	1 × $5\frac{1}{2}$	$-\frac{1}{3}\div 2\div 12$, 120
3 × 9	$+\frac{1}{2}\div 11$, 120	$1\frac{1}{2}\times 11$	$\div 2$, 6, 120	1 × 5	$+\frac{1}{2}\div 4$, 11, 120
3 × 8	$+\frac{1}{3}\div 11$, 120	$1\frac{1}{2}\times$ 9	$\div 2+\frac{1}{2}\div 11$, 120	1 × $4\frac{1}{2}$	$\div 4\times 11\div 120$
3 × 7	$+\frac{1}{6}\div 11$, 120	$1\frac{1}{2}\times$ 8	$-\frac{1}{3}\div 11$, 120	1 × 4	$+\frac{1}{3}\div 6$, 11, 120

Examples.—Reduce 5600 ft. $2\frac{1}{2}\times 10$ in.

457 ft. 4×13 in.

2
914
$\frac{1}{3}$ 304 $\frac{2}{3}$
1218 $\frac{2}{3}$
$\frac{1}{12}$ 101 $\frac{10}{12}$
11)1320 $\frac{10}{12}$
120) 120
1

3)5600
6)1866 $\frac{2}{3}$
311 $\frac{2}{3}$
11)7777 $\frac{2}{3}$
30)707 $\frac{7}{11}$
4)23 17 $\frac{7}{11}$
5 3 17 $\frac{7}{11}$

2112 ft. $1\frac{1}{2}\times 9$ in.

5
12)10560
11)880
20) 80
4)4
1

Note.—Except where specially stated, as in the case of $2\frac{1}{2}\times 10$ in., the succeeding factors operate on the product or quotient of the preceding ones, as the case may be, as illustrated above.

TABLE No. XVIII.

Standard Hundred (or 120 × 6 ft.) of various sizes Reduced.

Sizes.	St.	qrs.	6 ft. lths.	Odd ft.	Sizes.	St.	qrs.	6 ft. lths.	Odd ft.	Sizes.	Std.	qrs.	6 ft. lths.	Odd ft.
4 × 12	1	1	24	3	$2\frac{1}{2}\times$ 7	0	2	3	4	$1\frac{1}{4}\times$ 8	0	1	6	2
4 × 11	1	1	10	0	$2\frac{1}{2}\times 6\frac{1}{2}$	0	1	29	0	$1\frac{1}{4}\times$ 7	0	1	1	5
4 × 10	1	0	25	3	$2\frac{1}{2}\times$ 6	0	1	24	3	1 ×12	0	1	13	4
4 × 9	1	0	10	5	2 × 12	0	2	27	1	1 ×11	0	1	10	0
4 × 8	0	3	26	2	2 × 11	0	2	20	0	1 ×10	0	1	6	2
4 × 7	0	3	11	5	2 × 10	0	2	12	4	1 × 9	0	1	2	4
3 × 12	1	0	10	5	2 × 9	0	2	5	3	1 × 8	0	0	29	0
3 × 11	1	0	0	0	2 × 8	0	1	28	1	1 × 7	0	0	25	3
3 × 10	0	3	19	0	2 × 7	0	1	20	5	1 × 6	0	0	21	5
3 × 9	0	3	8	1	2 × $6\frac{1}{2}$	0	1	17	1	$\frac{3}{4}\times$ 9	0	0	24	3
3 × 8	0	2	27	1	2 × 6	0	1	13	3	$\frac{3}{4}\times$ 8	0	0	21	5
3 × 7	0	2	16	2	$1\frac{1}{2}\times$ 9	0	1	19	0	$\frac{3}{4}\times$ 7	0	0	19	0
3 × 6	0	2	5	3	$1\frac{1}{2}\times$ 8	0	1	13	4	$\frac{1}{2}\times$ 9	0	0	16	2
$2\frac{1}{2}\times$ 9	0	2	21	5	$1\frac{1}{2}\times$ 7	0	1	8	1	$\frac{1}{2}\times$ 8	0	0	14	3
$2\frac{1}{2}\times$ 8	0	2	12	4	$1\frac{1}{4}\times$ 9	0	1	10	5	$\frac{1}{2}\times$ 7	0	0	12	4

TABLE No. XIX.—Showing Cost of Deals of a Given Quantity at any Rate of Price per Standard.

Standard Quantity.			@ 2/6 per Standard.		@ 5/ per Standard.		@ 7/6 per Standard		@ 10/ per Standard.		@ 15/ per Standard.		@ 17/6 per Standard.		@ 20/ per Standard.	
St.	q.	pts.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0 1/24	0	0 1/12	0	0 1/8	0	0 1/6	0	0 1/4	0	0 7/24	0	0 1/3
0	0	2	0	0 1/12	0	0 1/6	0	0 1/4	0	0 1/3	0	0 1/2	0	0 7/12	0	0 2/3
0	0	3	0	0 1/8	0	0 1/4	0	0 3/8	0	0 1/2	0	0 3/4	0	0 7/8	0	1
0	0	4	0	0 1/6	0	0 1/3	0	0 1/2	0	0 2/3	0	1	0	1 1/6	0	1 1/3
0	0	5	0	0 5/24	0	0 5/12	0	0 5/8	0	0 5/6	0	1 1/4	0	1 11/24	0	1 2/3
0	0	6	0	0 1/4	0	0 1/2	0	0 3/4	0	1	0	1 1/2	0	1 3/4	0	2
0	0	7	0	0 1/3	0	1	0	1 1/8	0	1 1/3	0	2	0	2 1/3	0	2 2/3
0	0	8	0	0 5/12	0	1 1/2	0	1 7/8	0	2 1/2	0	3	0	2 11/12	0	3 1/3
0	0	9	0	0 1/2	0	1 1/2	0	2 1/4	0	3	0	3	0	3 1/2	0	4
0	0	10	0	0 5/12	0	1 11/12	0	2 5/8	0	3 1/2	0	4 1/2	0	4 1/12	0	4 2/3
0	0	11	0	0 11/24	0	1 11/12	0	2 11/12	0	3 11/12	0	4 1/2	0	4 7/12	0	5 1/3
0	0	12	0	0 1/2	0	2	0	3	0	4	0	5	0	5 1/4	0	6
0	0	13	0	0 13/24	0	2 1/12	0	3 1/8	0	4 1/6	0	5 1/4	0	5 11/24	0	6 2/3
0	0	14	0	0 7/12	0	2 1/6	0	3 1/4	0	4 1/3	0	5 1/2	0	5 7/12	0	7 1/3
0	0	15	0	0 5/8	0	2 1/4	0	3 3/8	0	4 1/2	0	5 3/4	0	5 7/8	0	7 2/3
0	0	16	0	0 2/3	0	2 1/3	0	3 1/2	0	4 2/3	0	6	0	6 1/6	0	8
0	0	17	0	0 17/24	0	2 5/12	0	3 5/8	0	4 5/6	0	6 1/4	0	6 5/12	0	8 1/3
0	0	18	0	0 3/4	0	2 1/2	0	3 3/4	0	5	0	6 1/2	0	6 3/4	0	8 2/3
0	0	19	0	0 19/24	0	2 7/12	0	3 7/8	0	5 1/6	0	6 3/4	0	6 11/12	0	9 1/3
0	0	20	0	0 5/6	0	2 2/3	0	4	0	5 1/3	0	7	0	7 1/3	0	9 2/3
0	0	21	0	0 21/24	0	2 11/12	0	4 1/8	0	5 1/2	0	7 1/4	0	7 7/12	0	10
0	0	22	0	0 11/12	0	2 11/12	0	4 1/4	0	5 2/3	0	7 1/2	0	7 11/12	0	10 1/3
0	0	23	0	0 23/24	0	2 11/12	0	4 3/8	0	5 5/6	0	7 3/4	0	8 1/6	0	10 2/3
0	0	24	0	1 0	0	3 0	0	4 1/2	0	6	0	8	0	8 1/2	0	11 1/3
0	0	25	0	1 1/24	0	3 1/12	0	4 5/8	0	6 1/6	0	8 1/4	0	8 11/12	0	11 2/3
0	0	26	0	1 1/12	0	3 1/6	0	4 3/4	0	6 1/3	0	8 1/2	0	9 5/12	0	12
0	0	27	0	1 1/8	0	3 1/4	0	4 7/8	0	6 1/2	0	8 3/4	0	9 3/4	0	12 1/3
0	0	28	0	1 7/24	0	3 5/12	0	4 11/12	0	6 2/3	0	9	0	10 1/12	0	12 2/3
0	0	29	0	1 1/6	0	3 1/2	0	5 1/4	0	7	0	9 1/4	0	10 5/12	0	13 1/3
0	1	0	0	1 1/4	0	3 3/4	0	5 5/8	0	7 1/2	0	9 3/4	0	10 7/8	0	13 3/4
0	2	0	0	2 1/2	0	7 1/2	0	11 1/4	0	15	0	19 1/2	0	21 7/8	0	27 1/2
0	3	0	0	3 3/4	0	11 1/4	0	16 7/8	0	22 1/2	0	29 1/4	0	32 13/16	0	41 1/4
0	3	4	0	4 1/6	0	12 1/2	0	18 3/4	0	25	0	32 1/2	0	36 7/16	0	45 5/6
0	3	6	0	4 1/2	0	13 1/2	0	20 1/4	0	27	0	35 1/4	0	39 3/8	0	49 1/2
0	3	8	0	4 5/6	0	14 1/6	0	21 3/4	0	29	0	37 3/4	0	42 5/16	0	53 1/6
0	3	11	0	5 1/4	0	15 3/4	0	23 5/8	0	31 1/2	0	40 3/4	0	45 11/16	0	57 1/2
0	3	13	0	5 1/2	0	16 1/2	0	24 3/4	0	33	0	42 3/4	0	47 15/16	0	60 1/2
0	3	16	0	5 5/6	0	17 1/2	0	26 1/4	0	35	0	45 1/2	0	51 1/16	0	64 1/6
0	3	19	0	6 1/4	0	18 3/4	0	28 1/8	0	37 1/2	0	48 1/2	0	54 3/8	0	68 3/4
0	3	22	0	6 1/2	0	19 1/2	0	29 1/4	0	39	0	50 1/2	0	56 5/8	0	71 1/2
0	3	25	0	6 5/6	0	20 1/2	0	30 3/4	0	41	0	53 1/4	0	59 11/16	0	75 1/6
0	3	27	0	7 1/4	0	21 3/4	0	32 5/8	0	43 1/2	0	56 1/4	0	63 1/16	0	79 3/4
0	3	29	0	7 1/2	0	22 1/2	0	33 3/4	0	45	0	58 1/4	0	65 5/16	0	82 1/2

TABLE No. XIX.

SHOWING COST OF DEALS OF A GIVEN QUANTITY AT ANY RATE OF PRICE PER STANDARD.

Standard Quality.	@ £7 per Standard	@ £8 per Standard	@ £9 per Standard	@ £10 per Standard	@ £11 per Standard	@ £12 pr Standrd.
St. q. pts.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 0 $0\frac{1}{6}$	0 0 $2\frac{1}{3}$	0 0 $2\frac{2}{3}$	0 0 3	0 0 $3\frac{1}{3}$	0 0 $3\frac{2}{3}$	0 0 4
0 0 $0\frac{2}{6}$	0 0 $4\frac{2}{3}$	0 0 $5\frac{1}{3}$	0 0 6	0 0 $6\frac{2}{3}$	0 0 $7\frac{1}{3}$	0 0 8
0 0 $0\frac{3}{6}$	0 0 7	0 0 8	0 0 9	0 0 10	0 0 11	0 1 0
0 0 $0\frac{4}{6}$	0 0 $9\frac{1}{3}$	0 0 $10\frac{2}{3}$	0 1 0	0 1 $1\frac{1}{3}$	0 1 $2\frac{2}{3}$	0 1 4
0 0 $0\frac{5}{6}$	0 0 $11\frac{2}{3}$	0 1 $1\frac{1}{3}$	0 1 3	0 1 5	0 1 $6\frac{1}{3}$	0 1 8
0 0 1	0 1 2	0 1 4	0 1 6	0 1 8	0 1 10	0 2 0
0 0 2	0 2 4	0 2 8	0 3 0	0 3 4	0 3 8	0 4 0
0 0 3	0 3 6	0 4 0	0 4 6	0 5 0	0 5 6	0 6 0
0 0 4	0 4 8	0 5 4	0 6 0	0 6 8	0 7 4	0 8 0
0 0 5	0 5 10	0 6 8	0 7 6	0 8 4	0 9 2	0 10 0
0 0 6	0 7 0	0 8 0	0 9 0	0 10 0	0 11 0	0 12 0
0 0 7	0 8 2	0 9 4	0 10 6	0 11 8	0 12 10	0 14 0
0 0 8	0 9 4	0 10 8	0 12 0	0 13 4	0 14 8	0 16 0
0 0 9	0 10 6	0 12 0	0 13 6	0 15 0	0 16 6	0 18 0
0 0 10	0 11 8	0 13 4	0 15 0	0 16 8	0 18 4	1 0 0
0 0 11	0 12 10	0 14 8	0 16 6	0 18 4	1 0 2	1 2 0
0 0 12	0 14 0	0 16 0	0 18 0	1 0 0	1 2 0	1 4 0
0 0 13	0 15 2	0 17 4	0 19 6	1 1 8	1 3 10	1 6 0
0 0 14	0 16 4	0 18 8	1 1 0	1 3 4	1 5 8	1 8 0
0 0 15	0 17 6	1 0 0	1 2 6	1 5 0	1 7 6	1 10 0
0 0 16	0 18 8	1 1 4	1 4 0	1 6 8	1 9 4	1 12 0
0 0 17	0 19 10	1 2 8	1 5 6	1 8 4	1 11 2	1 14 0
0 0 18	1 1 0	1 4 0	1 7 0	1 10 0	1 13 0	1 16 0
0 0 19	1 2 2	1 5 4	1 8 6	1 11 8	1 14 10	1 18 0
0 0 20	1 3 4	1 6 8	1 10 0	1 13 4	1 16 8	2 0 0
0 0 21	1 4 6	1 8 0	1 11 6	1 15 0	1 18 6	2 2 0
0 0 22	1 5 8	1 9 4	1 13 0	1 16 8	2 0 4	2 4 0
0 0 23	1 6 10	1 10 8	1 14 6	1 18 4	2 2 2	2 6 0
0 0 24	1 8 0	1 12 0	1 16 0	2 0 0	2 4 0	2 8 0
0 0 25	1 9 2	1 13 4	1 17 6	2 1 8	2 5 10	2 10 0
0 0 26	1 10 4	1 14 8	1 19 0	2 3 4	2 7 8	2 12 0
0 0 27	1 11 6	1 16 0	2 0 6	2 5 0	2 9 6	2 14 0
0 0 28	1 12 8	1 17 4	2 2 0	2 6 8	2 11 4	2 16 0
0 0 29	1 13 10	1 18 8	2 3 6	2 8 4	2 13 2	2 18 0
0 1 0	1 15 0	2 0 0	2 5 0	2 10 0	2 15 0	3 0 0
0 2 0	3 10 0	4 0 0	4 10 0	5 0 0	5 10 0	6 0 0
0 3 0	5 5 0	6 0 0	6 15 0	7 10 0	8 5 0	9 0 0
0 3 4	5 9 8	6 5 4	7 1 0	7 16 8	8 12 4	9 8 0
0 3 6	5 12 0	6 8 0	7 4 0	8 0 0	8 16 0	9 12 0
0 3 8	5 14 4	6 10 8	7 7 0	8 3 4	8 19 8	9 16 0
0 3 11	5 17 10	6 14 8	7 11 6	8 8 4	9 5 2	10 2 0
0 3 13	6 0 2	6 17 4	7 14 6	8 11 8	9 8 10	10 6 0
0 3 16	6 3 8	7 1 4	7 19 0	8 16 8	9 14 4	10 12 0
0 3 19	6 7 2	7 5 4	8 3 6	9 1 8	9 19 10	10 18 0
0 3 22	6 10 8	7 9 4	8 8 0	9 6 8	10 5 4	11 4 0
0 3 25	*6 14 2*	*7 13 4*	8 12 6	9 11 8	10 10 10	11 10 0
0 3 27	*6 16 6*	*7 16 0*	8 15 6	9 15 0	10 14 6	11 14 0
0 3 29	*6 18 10*	7 18 8	8 18 6	9 18 4	10 18 2	11 18 0

TABLE No. XIX.—Showing Cost of Deals of a given Quantity at any Price per Standards.—*continued.*

Standard Quantity.	@ £13 per Standard.	@ £14 per Standard.	@ £15 per Standard.	@ £16 per Standard.	@ £17 per Standard.	@ £18 per Standard.
St. q. pts.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 0 $0\frac{1}{8}$	0 0 $4\frac{1}{3}$	0 0 $4\frac{2}{3}$	0 0 5	0 0 $5\frac{1}{3}$	0 0 $5\frac{2}{3}$	0 0 6
0 0 $0\frac{2}{8}$	0 0 $8\frac{2}{3}$	0 0 $9\frac{1}{3}$	0 0 10	0 0 $10\frac{2}{3}$	0 0 $11\frac{1}{3}$	0 1 0
0 0 $0\frac{3}{8}$	0 1 1	0 1 2	0 1 3	0 1 4	0 1 5	0 1 6
0 0 $0\frac{4}{8}$	0 1 $5\frac{1}{3}$	0 1 $6\frac{2}{3}$	0 1 8	0 1 $9\frac{1}{3}$	0 1 $10\frac{2}{3}$	0 2 0
0 0 $0\frac{5}{8}$	0 1 $9\frac{2}{3}$	0 1 $11\frac{1}{3}$	0 2 1	0 2 $2\frac{2}{3}$	0 2 $4\frac{1}{3}$	0 2 6
0 0 1	0 2 2	0 2 4	0 2 6	0 2 8	0 2 10	0 3 0
0 0 2	0 4 4	0 4 8	0 5 0	0 5 4	0 5 8	0 6 0
0 0 3	0 6 6	0 7 0	0 7 6	0 8 0	0 8 6	0 9 0
0 0 4	0 8 8	0 9 4	0 10 0	0 10 8	0 11 4	0 12 0
0 0 5	0 10 10	0 11 8	0 12 6	0 13 4	0 14 2	0 15 0
0 0 6	0 13 0	0 14 0	0 15 0	0 16 0	0 17 0	0 18 0
0 0 7	0 15 2	0 16 4	0 17 6	0 18 8	0 19 10	1 1 0
0 0 8	0 17 4	0 18 8	1 0 0	1 1 4	1 2 8	1 4 0
0 0 9	0 19 6	1 1 0	1 2 6	1 4 0	1 5 6	1 7 0
0 0 10	1 1 8	1 3 4	1 5 0	1 6 8	1 8 4	1 10 0
0 0 11	1 3 10	1 5 8	1 7 6	1 9 4	1 11 2	1 13 0
0 0 12	1 6 0	1 8 0	1 10 0	1 12 0	1 14 0	1 16 0
0 0 13	1 8 2	1 10 4	1 12 6	1 14 8	1 16 10	1 19 0
0 0 14	1 10 4	1 12 8	1 15 0	1 17 4	1 19 8	2 2 0
0 0 15	1 12 6	1 15 0	1 17 6	2 0 0	2 2 6	2 5 0
0 0 16	1 14 8	1 17 4	2 0 0	2 2 8	2 5 4	2 8 0
0 0 17	1 16 10	1 19 8	2 2 6	2 5 4	2 8 2	2 11 0
0 0 18	1 19 0	2 2 0	2 5 0	2 8 0	2 11 0	2 14 0
0 0 19	2 1 2	2 4 4	2 7 6	2 10 8	2 13 10	2 17 0
0 0 20	2 3 4	2 6 8	2 10 0	2 13 4	2 16 8	3 0 0
0 0 21	2 5 6	2 9 0	2 12 6	2 16 0	2 19 6	3 3 0
0 0 22	2 7 8	2 11 4	2 15 0	2 18 8	3 2 4	3 6 0
0 0 23	2 9 10	2 13 8	2 17 6	3 1 4	3 5 2	3 9 0
0 0 24	2 12 0	2 16 0	3 0 0	3 4 0	3 8 0	3 12 0
0 0 25	2 14 2	2 18 4	3 2 6	3 6 8	3 10 10	3 15 0
0 0 26	2 16 4	3 0 8	3 5 0	3 9 4	3 13 8	3 18 0
0 0 27	2 18 6	3 3 0	3 7 6	3 12 0	3 16 6	4 1 0
0 0 28	3 0 8	3 5 4	3 10 0	3 14 8	3 19 4	4 4 0
0 0 29	3 2 10	3 7 8	3 12 6	3 17 4	4 2 2	4 7 0
0 1 0	3 5 0	3 10 0	3 15 0	4 0 0	4 5 0	4 10 0
0 2 0	6 10 0	7 0 0	7 10 0	8 0 0	8 10 0	9 0 0
0 3 0	9 15 0	10 10 0	11 5 0	12 0 0	12 15 0	13 10 0
0 3 4	10 3 8	10 19 4	11 15 0	12 10 8	13 6 4	14 2 0
0 3 6	10 8 0	11 4 0	12 0 0	12 16 0	13 12 0	14 8 0
0 3 8	10 12 4	11 8 8	12 5 0	13 1 4	13 17 8	14 14 0
0 3 11	10 18 10	11 15 8	12 12 6	13 9 4	14 6 2	15 3 0
0 3 13	11 3 2	12 0 4	12 17 6	13 14 8	14 11 10	15 9 0
0 3 16	11 9 8	12 7 4	13 5 0	14 2 8	15 0 4	15 18 0
0 3 19	11 16 2	12 14 4	13 12 6	14 10 8	15 8 10	16 7 0
0 3 22	12 2 8	13 1 4	14 0 0	14 18 8	15 17 4	16 16 0
0 3 25	12 9 2	13 8 4	14 7 6	15 6 8	16 5 10	17 5 0
0 3 27	12 13 6	13 13 0	14 12 6	15 12 0	16 11 6	17 11 0
0 3 29	12 17 10	13 17 8	14 17 6	15 17 4	16 17 2	17 17 0

TABLE No. XX.

SHOWING COST OF SAWING OF 11-INCH DEALS AT GIVEN RATES.

	DEEP CUTTING.				RIPPING.	
Sawing 11 ins.	2/ per 100 sup. ft. = 1/10 100 run. ft.	2/6 per 100 sup. ft. = 2/3½ 100 run. ft.	3/ per 100 sup. ft. = 2/9 100 run. ft.	3/6 per 100 sup. ft. = 3/2½ 100 run. ft.	1/ per 100 linl. ft. = 1/1 $\frac{1}{11}$ 100 Sup. ft.	1/6 per 100 linl. ft. = 1/7 $\frac{7}{11}$ 100 Sup. ft.
Linl. ft.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
6	0 $1\frac{8}{25}$	0 $1\frac{18}{20}$	0 $1\frac{98}{100}$	0 $2\frac{31}{100}$	0 $0\frac{18}{25}$	0 $1\frac{2}{25}$
7	0 $1\frac{27}{50}$	0 $1\frac{37}{50}$	0 $2\frac{31}{100}$	0 $2\frac{7}{10}$	0 $0\frac{21}{25}$	0 $1\frac{13}{50}$
8	0 $1\frac{19}{25}$	0 $2\frac{2}{10}$	0 $2\frac{16}{25}$	0 $3\frac{2}{25}$	0 $0\frac{24}{25}$	0 $1\frac{22}{50}$
9	0 $1\frac{43}{50}$	0 $2\frac{18}{20}$	0 $2\frac{97}{100}$	0 $3\frac{28}{50}$	0 $1\frac{2}{25}$	0 $1\frac{31}{50}$
10	0 $2\frac{1}{5}$	0 $2\frac{3}{4}$	0 $3\frac{3}{10}$	0 $3\frac{5}{8}$	0 $1\frac{1}{5}$	0 $1\frac{4}{5}$
11	0 $2\frac{21}{50}$	0 $3\frac{1}{40}$	0 $3\frac{33}{100}$	0 $4\frac{6}{25}$	0 $1\frac{5}{25}$	0 $1\frac{12}{50}$
12	0 $2\frac{16}{25}$	0 $3\frac{3}{10}$	0 $3\frac{24}{25}$	0 $4\frac{31}{50}$	0 $1\frac{11}{25}$	0 $2\frac{4}{25}$
13	0 $2\frac{43}{50}$	0 $3\frac{27}{40}$	0 $4\frac{29}{100}$	0 5	0 $1\frac{14}{25}$	0 $2\frac{17}{50}$
14	0 $3\frac{2}{25}$	0 $3\frac{17}{20}$	0 $4\frac{31}{50}$	0 $5\frac{39}{100}$	0 $1\frac{17}{25}$	0 $2\frac{13}{25}$
15	0 $3\frac{3}{10}$	0 $4\frac{1}{8}$	0 $4\frac{19}{20}$	0 $5\frac{3}{4}$	0 $1\frac{4}{5}$	0 $2\frac{7}{10}$
16	0 $3\frac{13}{25}$	0 $5\frac{2}{5}$	0 $5\frac{7}{25}$	0 $6\frac{4}{25}$	0 $1\frac{23}{25}$	0 $2\frac{22}{25}$
17	0 $3\frac{37}{50}$	0 $5\frac{27}{40}$	0 $5\frac{81}{100}$	0 $6\frac{11}{20}$	0 $2\frac{1}{5}$	0 $3\frac{3}{50}$
18	0 $3\frac{24}{25}$	0 $5\frac{19}{20}$	0 $5\frac{47}{50}$	0 $6\frac{37}{40}$	0 $2\frac{4}{25}$	0 $3\frac{6}{25}$
19	0 $4\frac{9}{50}$	0 $6\frac{9}{40}$	0 $6\frac{97}{100}$	0 $7\frac{8}{25}$	0 $2\frac{7}{25}$	0 $3\frac{21}{50}$
20	0 $4\frac{2}{5}$	0 $5\frac{1}{4}$	0 $6\frac{3}{5}$	0 $7\frac{14}{20}$	0 $2\frac{2}{5}$	0 $3\frac{3}{5}$
21	0 $4\frac{31}{50}$	0 $5\frac{31}{40}$	0 $6\frac{93}{100}$	0 $8\frac{2}{25}$	0 $2\frac{13}{25}$	0 $3\frac{39}{50}$
22	0 $4\frac{21}{25}$	0 $6\frac{1}{20}$	0 $7\frac{13}{50}$	0 $8\frac{23}{30}$	0 $2\frac{16}{25}$	0 $3\frac{24}{25}$
23	0 $5\frac{3}{50}$	0 $6\frac{13}{40}$	0 $7\frac{59}{100}$	0 $8\frac{17}{20}$	0 $2\frac{19}{25}$	0 $4\frac{7}{50}$
24	0 $5\frac{7}{25}$	0 $6\frac{3}{5}$	0 $7\frac{23}{25}$	0 $9\frac{6}{25}$	0 $2\frac{22}{25}$	0 $4\frac{8}{25}$
25	0 $5\frac{1}{2}$	0 $6\frac{7}{8}$	0 $8\frac{1}{4}$	0 $9\frac{5}{8}$	0 3	0 $4\frac{1}{2}$
26	0 $5\frac{18}{25}$	0 $7\frac{3}{20}$	0 $8\frac{28}{50}$	0 10	0 $3\frac{3}{25}$	0 $4\frac{17}{25}$
27	0 $5\frac{43}{50}$	0 $7\frac{17}{40}$	0 $8\frac{91}{100}$	0 $10\frac{2}{5}$	0 $3\frac{6}{25}$	0 $4\frac{33}{50}$
28	0 $6\frac{4}{25}$	0 $7\frac{7}{10}$	0 $9\frac{12}{50}$	0 $10\frac{33}{50}$	0 $3\frac{9}{25}$	0 $5\frac{1}{25}$
29	0 $6\frac{19}{50}$	0 $7\frac{39}{40}$	0 $9\frac{87}{100}$	0 $11\frac{4}{25}$	0 $3\frac{12}{25}$	0 $5\frac{11}{50}$
30	0 $6\frac{3}{5}$	0 $8\frac{1}{4}$	0 $9\frac{9}{10}$	0 $11\frac{11}{20}$	0 $3\frac{3}{5}$	0 $5\frac{2}{5}$
31	0 $6\frac{41}{50}$	0 $8\frac{21}{40}$	0 $10\frac{23}{100}$	0 $11\frac{47}{50}$	0 $3\frac{18}{25}$	0 $5\frac{29}{50}$
32	0 $7\frac{1}{25}$	0 $8\frac{4}{5}$	0 $10\frac{14}{25}$	1 $0\frac{8}{25}$	0 $3\frac{21}{25}$	0 $5\frac{19}{25}$
33	0 $7\frac{13}{50}$	0 $9\frac{3}{40}$	0 $10\frac{89}{100}$	1 $0\frac{7}{10}$	0 $3\frac{24}{25}$	0 $5\frac{47}{50}$
34	0 $7\frac{12}{25}$	0 $9\frac{7}{20}$	0 $11\frac{11}{50}$	1 $1\frac{8}{100}$	0 $4\frac{2}{25}$	0 $5\frac{3}{25}$
35	0 $7\frac{7}{10}$	0 $9\frac{5}{8}$	0 $11\frac{11}{20}$	1 $1\frac{19}{20}$	0 $4\frac{1}{5}$	0 $6\frac{3}{10}$
36	0 $7\frac{23}{25}$	0 $9\frac{9}{10}$	0 $11\frac{22}{25}$	1 $2\frac{43}{50}$	0 $4\frac{8}{25}$	0 $6\frac{12}{25}$
37	0 $8\frac{7}{50}$	0 $10\frac{7}{40}$	1 $0\frac{21}{100}$	1 $2\frac{1}{4}$	0 $4\frac{11}{25}$	0 $6\frac{33}{50}$
38	0 $8\frac{9}{25}$	0 $10\frac{9}{20}$	1 $0\frac{27}{50}$	1 $2\frac{68}{100}$	0 $4\frac{14}{25}$	0 $6\frac{21}{25}$
39	0 $8\frac{29}{50}$	0 $10\frac{22}{40}$	1 $0\frac{87}{100}$	1 3	0 $4\frac{17}{25}$	0 $7\frac{1}{50}$
40	0 $8\frac{4}{5}$	0 11	1 $1\frac{1}{5}$	1 $3\frac{2}{5}$	0 $4\frac{4}{5}$	0 $7\frac{1}{5}$
41	0 $9\frac{1}{50}$	0 $11\frac{11}{40}$	1 $1\frac{53}{100}$	1 $3\frac{79}{100}$	0 $4\frac{23}{25}$	0 $7\frac{19}{50}$
42	0 $9\frac{6}{25}$	0 $11\frac{11}{20}$	1 $1\frac{43}{50}$	1 $4\frac{17}{100}$	0 $5\frac{1}{25}$	0 $7\frac{14}{25}$
43	0 $9\frac{23}{50}$	0 $11\frac{33}{40}$	1 $2\frac{19}{100}$	1 $4\frac{11}{20}$	0 $5\frac{4}{25}$	0 $7\frac{37}{50}$
44	0 $9\frac{17}{25}$	1 $0\frac{1}{10}$	1 $2\frac{13}{25}$	1 $4\frac{47}{50}$	0 $5\frac{7}{25}$	0 $7\frac{23}{25}$
45	0 $9\frac{9}{10}$	1 $0\frac{3}{8}$	1 $2\frac{17}{20}$	1 $5\frac{13}{40}$	0 $5\frac{2}{5}$	0 $8\frac{1}{10}$
46	0 $10\frac{3}{25}$	1 $0\frac{13}{20}$	1 $3\frac{9}{50}$	1 $5\frac{7}{10}$	0 $5\frac{13}{25}$	0 $8\frac{7}{25}$
100	1 10	2 $3\frac{1}{2}$	2 9	3 $2\frac{1}{2}$	1 0	1 6
300	5 6	6 $10\frac{1}{2}$	8 3	9 $7\frac{1}{2}$	3 0	4 6
500	*9 2*	*11 $5\frac{1}{2}$*	13 9	16 $0\frac{1}{2}$	5 0	7 6
600	*11 0*	*13 9*	16 6	19 3	6 0	9 0
720	*13 $2\frac{2}{5}$*	*16 6*	19 $9\frac{3}{5}$	23 $1\frac{1}{5}$	7 $2\frac{2}{5}$	10 $9\frac{3}{5}$

TABLE No. XXI.

SHOWING COST OF SAWING OF 9 INCH DEALS AT GIVEN RATES.

	DEEP CUTTING.								RIPPING.			
Sawing 9 inches	2/0 per 100 sup. ft.		2/6 per 100 sup. ft.		3/ per 100 sup. ft.		3/6 per 100 sup. ft.		1/4 per 100 lin. ft.		2/ per 100 lin. ft.	
Lin. ft.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
6	0	$1\frac{9}{25}$	0	$1\frac{7}{20}$	0	$1\frac{21}{50}$	0	$1\frac{9}{10}$	0	$0\frac{24}{25}$	0	$1\frac{11}{25}$
7	0	$1\frac{13}{20}$	0	$1\frac{23}{40}$	0	$1\frac{9}{10}$	0	$2\frac{1}{5}$	0	$1\frac{8}{25}$	0	$1\frac{17}{25}$
8	0	$1\frac{11}{20}$	0	$1\frac{3}{5}$	0	$2\frac{3}{25}$	0	$2\frac{26}{50}$	0	$1\frac{25}{25}$	0	$1\frac{23}{25}$
9	0	$1\frac{31}{50}$	0	$2\frac{1}{40}$	0	$2\frac{11}{25}$	0	$2\frac{21}{25}$	0	$1\frac{1}{25}$	0	$2\frac{4}{25}$
10	0	$1\frac{3}{5}$	0	$2\frac{1}{4}$	0	$2\frac{7}{10}$	0	$3\frac{3}{50}$	0	$1\frac{3}{5}$	0	$2\frac{3}{5}$
11	0	$1\frac{43}{50}$	0	$2\frac{19}{40}$	0	$2\frac{24}{25}$	0	$3\frac{23}{50}$	0	$1\frac{19}{25}$	0	$2\frac{16}{25}$
12	0	$2\frac{4}{25}$	0	$2\frac{7}{10}$	0	$3\frac{1}{25}$	0	$3\frac{43}{50}$	0	$1\frac{23}{25}$	0	$2\frac{23}{25}$
13	0	$2\frac{17}{50}$	0	$2\frac{37}{40}$	0	$3\frac{1}{2}$	0	$4\frac{1}{10}$	0	$2\frac{3}{25}$	0	$3\frac{3}{25}$
14	0	$2\frac{23}{25}$	0	$3\frac{3}{10}$	0	$3\frac{39}{50}$	0	$4\frac{2}{5}$	0	$2\frac{7}{25}$	0	$3\frac{9}{25}$
15	0	$2\frac{7}{10}$	0	$3\frac{3}{8}$	0	$4\frac{1}{10}$	0	$4\frac{43}{50}$	0	$2\frac{2}{5}$	0	$3\frac{3}{5}$
16	0	$2\frac{23}{25}$	0	$3\frac{3}{4}$	0	$4\frac{8}{25}$	0	$5\frac{1}{25}$	0	$2\frac{14}{25}$	0	$3\frac{21}{25}$
17	0	$3\frac{3}{50}$	0	$3\frac{33}{40}$	0	$4\frac{3}{5}$	0	$5\frac{7}{50}$	0	$2\frac{18}{25}$	0	$4\frac{2}{25}$
18	0	$3\frac{6}{25}$	0	$4\frac{1}{20}$	0	$4\frac{43}{50}$	0	$5\frac{24}{25}$	0	$2\frac{22}{25}$	0	$4\frac{6}{25}$
19	0	$3\frac{21}{50}$	0	$4\frac{11}{20}$	0	$5\frac{3}{25}$	0	$5\frac{43}{50}$	0	$3\frac{1}{25}$	0	$4\frac{14}{25}$
20	0	$3\frac{3}{5}$	0	$4\frac{1}{2}$	0	$5\frac{3}{5}$	0	$6\frac{1}{10}$	0	$3\frac{1}{5}$	0	$4\frac{4}{5}$
21	0	$3\frac{33}{50}$	0	$4\frac{29}{40}$	0	$5\frac{17}{25}$	0	$6\frac{31}{50}$	0	$3\frac{9}{25}$	0	$5\frac{1}{25}$
22	0	$3\frac{24}{25}$	0	$4\frac{19}{20}$	0	$5\frac{47}{50}$	0	$6\frac{23}{25}$	0	$3\frac{13}{25}$	0	$5\frac{7}{25}$
23	0	$4\frac{7}{50}$	0	$5\frac{7}{40}$	0	$6\frac{1}{8}$	0	$7\frac{1}{25}$	0	$3\frac{17}{25}$	0	$5\frac{13}{25}$
24	0	$4\frac{8}{25}$	0	$5\frac{3}{5}$	0	$6\frac{12}{25}$	0	$7\frac{14}{25}$	0	$3\frac{21}{25}$	0	$5\frac{19}{25}$
25	0	$4\frac{1}{2}$	0	$5\frac{5}{8}$	0	$6\frac{3}{4}$	0	$7\frac{7}{8}$	0	4	0	6
26	0	$4\frac{17}{25}$	0	$5\frac{17}{20}$	0	$7\frac{1}{20}$	0	$8\frac{1}{5}$	0	$4\frac{4}{25}$	0	$6\frac{6}{25}$
28	0	$5\frac{2}{50}$	0	$6\frac{3}{20}$	0	$7\frac{14}{25}$	0	$8\frac{41}{50}$	0	$4\frac{12}{25}$	0	$6\frac{18}{25}$
30	0	$5\frac{2}{5}$	0	$6\frac{3}{4}$	0	$8\frac{1}{10}$	0	$9\frac{2}{10}$	0	$4\frac{4}{5}$	0	$7\frac{1}{5}$
32	0	$5\frac{12}{25}$	0	$7\frac{1}{5}$	0	$8\frac{12}{25}$	0	$10\frac{3}{20}$	0	$5\frac{3}{25}$	0	$7\frac{17}{25}$
33	0	$5\frac{47}{50}$	0	$7\frac{17}{20}$	0	$8\frac{9}{10}$	0	$10\frac{2}{5}$	0	$5\frac{7}{25}$	0	$7\frac{23}{25}$
34	0	$6\frac{3}{25}$	0	$7\frac{13}{20}$	0	$9\frac{2}{10}$	0	$10\frac{7}{10}$	0	$5\frac{11}{25}$	0	$8\frac{4}{25}$
35	0	$6\frac{3}{10}$	0	$7\frac{7}{8}$	0	$9\frac{9}{20}$	0	$11\frac{1}{20}$	0	$5\frac{3}{5}$	0	$8\frac{2}{5}$
36	0	$6\frac{11}{25}$	0	$8\frac{1}{10}$	0	$9\frac{18}{25}$	0	$11\frac{17}{50}$	0	$5\frac{19}{25}$	0	$8\frac{16}{25}$
37	0	$6\frac{23}{50}$	0	$8\frac{13}{20}$	0	10	0	$11\frac{13}{20}$	0	$5\frac{23}{25}$	0	$8\frac{22}{25}$
38	0	$6\frac{21}{25}$	0	$8\frac{11}{20}$	0	$10\frac{13}{25}$	0	$11\frac{41}{50}$	0	$6\frac{3}{25}$	0	$9\frac{3}{25}$
39	0	$7\frac{1}{50}$	0	$8\frac{31}{40}$	0	$10\frac{13}{25}$	1	$0\frac{7}{25}$	0	$6\frac{6}{25}$	0	$9\frac{9}{25}$
40	0	$7\frac{1}{4}$	0	9	0	$10\frac{4}{5}$	1	$0\frac{8}{25}$	0	$6\frac{2}{25}$	0	$9\frac{3}{5}$
41	0	$7\frac{19}{50}$	0	$9\frac{9}{20}$	0	$11\frac{3}{50}$	1	$0\frac{9}{10}$	0	$6\frac{18}{25}$	0	$9\frac{21}{25}$
42	0	$7\frac{11}{25}$	0	$9\frac{9}{10}$	0	$11\frac{17}{50}$	1	$1\frac{2}{20}$	0	$6\frac{22}{25}$	0	$10\frac{2}{25}$
43	0	$7\frac{37}{50}$	0	$9\frac{27}{40}$	0	$11\frac{3}{5}$	1	$1\frac{37}{50}$	0	$6\frac{3}{5}$	0	$10\frac{6}{25}$
44	0	$7\frac{23}{25}$	0	$9\frac{9}{10}$	0	$11\frac{23}{25}$	1	$1\frac{17}{20}$	0	$7\frac{1}{25}$	0	$10\frac{14}{25}$
45	0	$8\frac{1}{10}$	0	$10\frac{1}{8}$	1	$0\frac{3}{20}$	1	$2\frac{7}{20}$	0	$7\frac{1}{5}$	0	$10\frac{4}{5}$
46	0	$8\frac{13}{20}$	0	$10\frac{7}{20}$	1	$0\frac{21}{50}$	1	$2\frac{13}{25}$	0	$7\frac{9}{25}$	0	$11\frac{1}{25}$
100	1	6	1	$10\frac{1}{2}$	2	3	2	$7\frac{1}{2}$	1	4	2	0
200	3	0	3	9	4	6	5	3	2	8	4	0
300	4	6	5	$7\frac{1}{2}$	6	9	7	$10\frac{1}{2}$	4	0	6	0
400	6	0	7	6	9	0	10	6	5	4	8	0
500	7	6	9	$4\frac{1}{2}$	11	3	13	$1\frac{1}{2}$	6	8	10	0
600	9	0	11	3	13	6	15	9	8	0	12	0
700	10	6	13	$1\frac{1}{2}$	15	9	18	$4\frac{1}{2}$	9	4	14	0
800	*12*	*0*	15	0	18	0	21	0	10	8	16	0
880	*13*	*2⅔*	16	6	19	$9\frac{3}{5}$	23	$1\frac{1}{5}$	11	$8\frac{4}{5}$	17	$7\frac{1}{5}$

TABLE No. XXII.

Showing Cost of Sawing of 7-inch Battens at Given Rates.

	DEEP CUTTING.								KIPPING.			
Sawing 7 ins.	2/ per 100 sup. ft. = 1/2 100 run. ft.		2/6 per 100 sup. ft. = 1/5⅓ 100 run. ft.		3/ per 100 sup. ft. = 1/9 100 run. ft.		3/6 per 100 sup. ft. = 2/0⅔ 100 run. ft.		1/8 per 100 lin. ft.		2/4 per 100 lin. ft.	
Lin. ft.	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*
6	0	$0\frac{21}{25}$	0	$1\frac{1}{10}$	0	$1\frac{13}{50}$	0	$1\frac{1}{2}$	0	$1\frac{1}{5}$	0	$1\frac{17}{25}$
7	0	$0\frac{49}{50}$	0	$1\frac{9}{10}$	0	$1\frac{12}{25}$	0	$1\frac{3}{4}$	0	$1\frac{2}{5}$	0	$1\frac{24}{25}$
8	0	$1\frac{3}{25}$	0	$1\frac{2}{5}$	0	$1\frac{17}{25}$	0	2	0	$1\frac{3}{5}$	0	$2\frac{6}{25}$
9	0	$1\frac{13}{50}$	0	$1\frac{28}{50}$	0	$1\frac{9}{10}$	0	$2\frac{1}{4}$	0	$1\frac{4}{5}$	0	$2\frac{13}{25}$
10	0	$1\frac{2}{5}$	0	$1\frac{3}{4}$	0	$2\frac{1}{10}$	0	$2\frac{1}{2}$	0	2	0	$2\frac{2}{5}$
11	0	$1\frac{27}{50}$	0	$1\frac{37}{50}$	0	$2\frac{3}{10}$	0	$2\frac{3}{4}$	0	$2\frac{1}{5}$	0	$3\frac{3}{25}$
12	0	$1\frac{17}{25}$	0	$2\frac{1}{10}$	0	$2\frac{13}{25}$	0	3	0	$2\frac{2}{5}$	0	$3\frac{9}{25}$
13	0	$1\frac{41}{50}$	0	$2\frac{11}{50}$	0	$2\frac{17}{25}$	0	$3\frac{1}{4}$	0	$2\frac{3}{5}$	0	$3\frac{15}{25}$
14	0	$1\frac{24}{25}$	0	$2\frac{9}{20}$	0	$2\frac{27}{50}$	0	$3\frac{1}{2}$	0	$2\frac{4}{5}$	0	$3\frac{23}{25}$
15	0	$2\frac{1}{10}$	0	$2\frac{8}{5}$	0	$3\frac{3}{10}$	0	$3\frac{7}{10}$	0	3	0	$4\frac{1}{25}$
16	0	$2\frac{6}{25}$	0	$2\frac{4}{5}$	0	$3\frac{9}{25}$	0	4	0	$3\frac{1}{5}$	0	$4\frac{12}{25}$
17	0	$2\frac{19}{50}$	0	$2\frac{29}{50}$	0	$3\frac{14}{25}$	0	$4\frac{1}{2}$	0	$3\frac{2}{5}$	0	$4\frac{19}{25}$
18	0	$2\frac{13}{25}$	0	$3\frac{3}{20}$	0	$3\frac{4}{5}$	0	$4\frac{1}{2}$	0	$3\frac{3}{5}$	0	$5\frac{1}{25}$
19	0	$2\frac{33}{50}$	0	$3\frac{13}{20}$	0	4	0	$4\frac{3}{4}$	0	$3\frac{4}{5}$	0	$5\frac{8}{25}$
20	0	$2\frac{4}{5}$	0	$3\frac{1}{2}$	0	$4\frac{1}{5}$	0	$4\frac{9}{10}$	0	4	0	$5\frac{3}{5}$
21	0	$2\frac{27}{50}$	0	$3\frac{27}{40}$	0	$4\frac{2}{5}$	0	$5\frac{1}{4}$	0	$4\frac{1}{5}$	0	$5\frac{22}{25}$
22	0	$3\frac{2}{25}$	0	$3\frac{17}{20}$	0	$4\frac{31}{50}$	0	$5\frac{1}{2}$	0	$4\frac{2}{5}$	0	$6\frac{4}{25}$
23	0	$3\frac{11}{50}$	0	$4\frac{7}{40}$	0	$4\frac{21}{25}$	0	$5\frac{3}{4}$	0	$4\frac{3}{5}$	0	$6\frac{17}{25}$
24	0	$3\frac{9}{25}$	0	$4\frac{1}{5}$	0	$5\frac{1}{25}$	0	6	0	$4\frac{4}{5}$	0	$6\frac{18}{25}$
25	0	$3\frac{1}{2}$	0	$4\frac{3}{8}$	0	$5\frac{1}{4}$	0	$6\frac{1}{8}$	0	5	0	7
26	0	$3\frac{16}{25}$	0	$4\frac{11}{20}$	0	$5\frac{23}{50}$	0	$6\frac{3}{8}$	0	$5\frac{1}{5}$	0	$7\frac{7}{25}$
27	0	$3\frac{29}{50}$	0	$4\frac{29}{40}$	0	$5\frac{17}{25}$	0	$6\frac{7}{8}$	0	$5\frac{2}{5}$	0	$7\frac{15}{25}$
28	0	$3\frac{23}{25}$	0	$4\frac{9}{10}$	0	$5\frac{29}{25}$	0	$6\frac{7}{8}$	0	$5\frac{3}{5}$	0	$7\frac{21}{25}$
29	0	$4\frac{3}{20}$	0	$5\frac{3}{40}$	0	$6\frac{1}{10}$	0	$7\frac{1}{8}$	0	$5\frac{4}{5}$	0	$8\frac{3}{25}$
30	0	$4\frac{1}{5}$	0	$5\frac{1}{4}$	0	$6\frac{3}{10}$	0	$7\frac{7}{10}$	0	6	0	$8\frac{2}{5}$
31	0	$4\frac{17}{50}$	0	$5\frac{17}{40}$	0	$6\frac{1}{2}$	0	$7\frac{7}{8}$	0	$6\frac{1}{5}$	0	$8\frac{17}{25}$
32	0	$4\frac{12}{25}$	0	$5\frac{3}{8}$	0	$6\frac{13}{25}$	0	$7\frac{7}{8}$	0	$6\frac{2}{5}$	0	$8\frac{24}{25}$
33	0	$4\frac{31}{50}$	0	$5\frac{31}{40}$	0	$6\frac{23}{25}$	0	$8\frac{1}{8}$	0	$6\frac{3}{5}$	0	$9\frac{6}{25}$
34	0	$4\frac{19}{25}$	0	$5\frac{19}{20}$	0	$7\frac{7}{50}$	0	$8\frac{3}{8}$	0	$6\frac{4}{5}$	0	$9\frac{13}{25}$
35	0	$4\frac{9}{10}$	0	$6\frac{1}{8}$	0	$7\frac{7}{20}$	0	$8\frac{5}{8}$	0	7	0	$9\frac{1}{5}$
36	0	$5\frac{1}{25}$	0	$6\frac{3}{10}$	0	$7\frac{1}{25}$	0	$8\frac{7}{8}$	0	$7\frac{1}{5}$	0	$10\frac{2}{25}$
37	0	$5\frac{9}{50}$	0	$6\frac{19}{40}$	0	$7\frac{19}{25}$	0	$9\frac{1}{8}$	0	$7\frac{2}{5}$	0	$10\frac{9}{25}$
38	0	$5\frac{8}{25}$	0	$6\frac{13}{20}$	0	$7\frac{43}{50}$	0	$9\frac{3}{8}$	0	$7\frac{3}{5}$	0	$10\frac{16}{25}$
39	0	$5\frac{23}{50}$	0	$6\frac{33}{40}$	0	$8\frac{9}{50}$	0	$9\frac{5}{8}$	0	$7\frac{4}{5}$	0	$10\frac{23}{25}$
40	0	$5\frac{3}{5}$	0	7	0	$8\frac{2}{5}$	0	$9\frac{4}{5}$	0	8	0	$11\frac{1}{25}$
41	0	$5\frac{17}{50}$	0	$7\frac{7}{40}$	0	$8\frac{29}{50}$	0	10	0	$8\frac{1}{5}$	0	$11\frac{13}{25}$
42	0	$5\frac{21}{25}$	0	$7\frac{7}{20}$	0	$8\frac{41}{50}$	0	$10\frac{1}{4}$	0	$8\frac{2}{5}$	0	$11\frac{19}{25}$
43	0	$6\frac{1}{50}$	0	$7\frac{21}{40}$	0	$9\frac{2}{50}$	0	$10\frac{1}{2}$	0	$8\frac{3}{5}$	1	$0\frac{1}{25}$
44	0	$6\frac{4}{25}$	0	$7\frac{7}{10}$	0	$9\frac{6}{25}$	0	$10\frac{3}{4}$	0	$8\frac{4}{5}$	1	$0\frac{8}{25}$
45	0	$6\frac{3}{10}$	0	$7\frac{7}{8}$	0	$9\frac{9}{50}$	0	11	0	9	1	$0\frac{9}{25}$
46	0	$6\frac{11}{25}$	0	$8\frac{1}{20}$	0	$9\frac{23}{50}$	0	$11\frac{1}{4}$	0	$9\frac{1}{5}$	1	$0\frac{23}{25}$
100	1	2	1	$5\frac{1}{2}$	1	9	2	$0\frac{1}{2}$	1	8	2	4
300	3	6	4	$4\frac{1}{2}$	5	3	6	$1\frac{1}{2}$	5	0	7	0
500	5	10	7	$3\frac{1}{2}$	8	9	10	$2\frac{1}{2}$	8	4	11	8
600	*7*	*0*	*8*	*9*	10	6	12	3	10	0	14	0
700	*8*	*2*	*10*	$2\frac{1}{2}$	12	3	14	$3\frac{1}{2}$	11	8	16	4
1131	*13*	$2\frac{17}{50}$	*16*	$5\frac{17}{40}$	19	$9\frac{1}{2}$	23	$1\frac{5}{8}$	18	$10\frac{1}{5}$	26	$4\frac{17}{25}$
1357	*15*	$9\frac{19}{50}$	*19*	$9\frac{19}{40}$	23	9	27	$8\frac{1}{2}$	22	$7\frac{7}{8}$	31	$7\frac{23}{25}$

TABLE No. XXIII.

SHOWING COST OF SAWING OF TIMBER AT GIVEN RATES.

Sup. ft. of Sawing.	3/6 per 100 sup. ft.		4/ per 100 sup. ft.		4/6 per 100 sup. ft.		5/ per 100 sup. ft.		5/6 per 100 sup. ft.		6/ per 100 sup. ft.	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
5	0	$2\frac{1}{10}$	0	$2\frac{2}{5}$	0	$2\frac{7}{10}$	0	3	0	$3\frac{3}{10}$	0	$3\frac{3}{5}$
6	0	$2\frac{13}{25}$	0	$2\frac{22}{25}$	0	$3\frac{8}{25}$	0	$3\frac{3}{5}$	0	$3\frac{24}{25}$	0	$4\frac{4}{25}$
7	0	$2\frac{27}{50}$	0	$3\frac{9}{25}$	0	$3\frac{39}{50}$	0	$4\frac{1}{5}$	0	$4\frac{31}{50}$	0	$5\frac{1}{25}$
8	0	$3\frac{9}{25}$	0	$3\frac{21}{25}$	0	$4\frac{4}{25}$	0	$4\frac{4}{5}$	0	$5\frac{7}{25}$	0	$5\frac{12}{25}$
9	0	$3\frac{39}{50}$	0	$4\frac{4}{25}$	0	$4\frac{53}{50}$	0	$5\frac{2}{5}$	0	$5\frac{47}{50}$	0	$6\frac{12}{25}$
10	0	$4\frac{1}{5}$	0	$4\frac{4}{5}$	0	$5\frac{2}{5}$	0	6	0	$6\frac{3}{5}$	0	$7\frac{1}{5}$
11	0	$4\frac{31}{50}$	0	$5\frac{7}{25}$	0	$5\frac{47}{50}$	0	$6\frac{3}{5}$	0	$7\frac{13}{50}$	0	$7\frac{23}{25}$
12	0	$5\frac{1}{25}$	0	$5\frac{19}{25}$	0	$6\frac{12}{25}$	0	$7\frac{1}{5}$	0	$7\frac{23}{25}$	0	$8\frac{16}{25}$
13	0	$5\frac{23}{50}$	0	$6\frac{6}{25}$	0	$7\frac{1}{50}$	0	$7\frac{4}{5}$	0	$8\frac{29}{50}$	0	$9\frac{9}{25}$
14	0	$5\frac{22}{25}$	0	$6\frac{18}{25}$	0	$7\frac{14}{25}$	0	$8\frac{2}{5}$	0	$9\frac{6}{25}$	0	$10\frac{2}{25}$
15	0	$6\frac{3}{10}$	0	$7\frac{1}{5}$	0	$8\frac{1}{10}$	0	9	0	$9\frac{9}{10}$	0	$10\frac{4}{5}$
16	0	$6\frac{18}{25}$	0	$7\frac{17}{25}$	0	$8\frac{18}{25}$	0	$9\frac{3}{5}$	0	$10\frac{14}{25}$	0	$11\frac{12}{25}$
17	0	$7\frac{7}{50}$	0	$8\frac{4}{25}$	0	$9\frac{9}{50}$	0	$10\frac{1}{5}$	0	$11\frac{11}{50}$	1	$0\frac{6}{25}$
18	0	$7\frac{14}{25}$	0	$8\frac{16}{25}$	0	$9\frac{18}{25}$	0	$10\frac{4}{5}$	0	$11\frac{22}{25}$	1	$0\frac{24}{25}$
19	0	$7\frac{49}{50}$	0	$9\frac{3}{25}$	0	$10\frac{13}{50}$	0	$11\frac{2}{5}$	1	$0\frac{27}{50}$	1	$1\frac{17}{25}$
20	0	$8\frac{2}{5}$	0	$9\frac{3}{5}$	0	$10\frac{4}{5}$	1	0	1	$1\frac{1}{5}$	1	$2\frac{2}{5}$
21	0	$8\frac{41}{50}$	0	$10\frac{2}{25}$	0	$11\frac{17}{50}$	1	$0\frac{3}{5}$	1	$1\frac{43}{50}$	1	$3\frac{3}{25}$
22	0	$9\frac{6}{25}$	0	$10\frac{14}{25}$	0	$11\frac{22}{25}$	1	$1\frac{1}{5}$	1	$2\frac{18}{25}$	1	$3\frac{21}{25}$
23	0	$9\frac{33}{50}$	0	$11\frac{1}{25}$	1	$0\frac{21}{50}$	1	$1\frac{4}{5}$	1	$3\frac{9}{50}$	1	$4\frac{14}{25}$
24	0	$10\frac{2}{25}$	0	$11\frac{13}{25}$	1	$0\frac{24}{25}$	1	$2\frac{2}{5}$	1	$3\frac{21}{25}$	1	$5\frac{7}{25}$
25	0	$10\frac{1}{2}$	1	0	1	$1\frac{1}{2}$	1	3	1	$4\frac{1}{2}$	1	6
26	0	$10\frac{23}{25}$	1	$0\frac{12}{25}$	1	$2\frac{1}{25}$	1	$3\frac{3}{5}$	1	$5\frac{4}{25}$	1	$6\frac{18}{25}$
27	0	$11\frac{17}{50}$	1	$0\frac{24}{25}$	1	$2\frac{29}{50}$	1	$4\frac{1}{5}$	1	$5\frac{41}{50}$	1	$7\frac{11}{25}$
28	0	$11\frac{19}{25}$	1	$1\frac{11}{25}$	1	$3\frac{9}{25}$	1	$4\frac{4}{5}$	1	$6\frac{19}{25}$	1	$8\frac{4}{25}$
29	1	$0\frac{9}{50}$	1	$1\frac{23}{25}$	1	$3\frac{33}{50}$	1	$5\frac{2}{5}$	1	$7\frac{7}{50}$	1	$8\frac{23}{25}$
30	1	$0\frac{3}{5}$	1	$2\frac{2}{5}$	1	$4\frac{1}{5}$	1	6	1	$7\frac{4}{5}$	1	$9\frac{3}{5}$
31	1	$1\frac{1}{50}$	1	$2\frac{22}{25}$	1	$4\frac{37}{50}$	1	$6\frac{3}{5}$	1	$8\frac{23}{50}$	1	$10\frac{8}{25}$
32	1	$1\frac{1}{25}$	1	$3\frac{7}{25}$	1	$5\frac{7}{25}$	1	$7\frac{1}{5}$	1	$9\frac{6}{25}$	1	$11\frac{1}{25}$
33	1	$1\frac{43}{50}$	1	$3\frac{21}{25}$	1	$5\frac{41}{50}$	1	$7\frac{4}{5}$	1	$9\frac{39}{50}$	1	$11\frac{19}{25}$
34	1	$2\frac{7}{25}$	1	$4\frac{4}{25}$	1	$6\frac{9}{25}$	1	$8\frac{2}{5}$	1	$10\frac{11}{25}$	2	$0\frac{13}{25}$
35	1	$2\frac{7}{10}$	1	$4\frac{4}{5}$	1	$6\frac{9}{10}$	1	9	1	$11\frac{1}{10}$	2	$1\frac{1}{5}$
36	1	$3\frac{3}{25}$	1	$5\frac{7}{25}$	1	$7\frac{11}{25}$	1	$9\frac{3}{5}$	1	$11\frac{19}{25}$	2	$1\frac{23}{25}$
37	1	$3\frac{27}{50}$	1	$5\frac{19}{25}$	1	$7\frac{19}{50}$	1	$10\frac{1}{5}$	2	$0\frac{21}{50}$	2	$2\frac{16}{25}$
38	1	$3\frac{24}{25}$	1	$6\frac{6}{25}$	1	$8\frac{13}{25}$	1	$10\frac{4}{5}$	2	$1\frac{29}{25}$	2	$3\frac{9}{25}$
39	1	$3\frac{19}{50}$	1	$6\frac{18}{25}$	1	$9\frac{3}{50}$	1	$11\frac{2}{5}$	2	$1\frac{37}{50}$	2	$4\frac{2}{25}$
40	1	$4\frac{4}{5}$	1	$7\frac{1}{5}$	1	$9\frac{9}{5}$	2	0	2	$2\frac{2}{5}$	2	$4\frac{4}{5}$
41	1	$4\frac{11}{50}$	1	$7\frac{17}{25}$	1	$10\frac{7}{50}$	2	$0\frac{3}{5}$	2	$3\frac{3}{50}$	2	$5\frac{13}{25}$
42	1	$4\frac{16}{25}$	1	$8\frac{4}{25}$	1	$10\frac{17}{25}$	2	$1\frac{1}{5}$	2	$3\frac{18}{25}$	2	$6\frac{4}{25}$
43	1	$5\frac{3}{50}$	1	$8\frac{16}{25}$	1	$11\frac{11}{50}$	2	$1\frac{4}{5}$	2	$4\frac{19}{50}$	2	$6\frac{24}{25}$
44	1	$5\frac{12}{25}$	1	$9\frac{3}{25}$	1	$11\frac{19}{25}$	2	$2\frac{2}{5}$	2	$5\frac{1}{25}$	2	$7\frac{17}{25}$
45	1	$6\frac{9}{10}$	1	$9\frac{3}{5}$	2	$0\frac{3}{10}$	2	3	2	$5\frac{7}{10}$	2	$8\frac{2}{5}$
46	1	$7\frac{6}{25}$	1	$10\frac{2}{25}$	2	$0\frac{21}{25}$	2	$3\frac{3}{5}$	2	$6\frac{8}{25}$	2	$9\frac{3}{25}$
47	1	$7\frac{37}{50}$	1	$10\frac{14}{25}$	2	$1\frac{19}{50}$	2	$4\frac{1}{5}$	2	$7\frac{1}{50}$	2	$9\frac{21}{25}$
48	1	$8\frac{4}{25}$	1	$11\frac{1}{25}$	2	$1\frac{23}{25}$	2	$4\frac{4}{5}$	2	$7\frac{17}{25}$	2	$10\frac{14}{25}$
49	1	$8\frac{23}{50}$	1	$11\frac{13}{25}$	2	$2\frac{23}{50}$	2	$5\frac{2}{5}$	2	$8\frac{17}{50}$	2	$11\frac{7}{25}$
50	1	9	2	0	2	3	2	6	2	9	3	0

Any number of superficial feet above 50 can be readily ascertained by adding the 2 adjacent numbers, which together make the required number. Example—25 and 26 *make 51, 26 doubled* makes 52, 26 + 27 = 53, 27 doubled = 54, and so on.

TABLE No. XXIV.—Showing Cost of Carriage per Standard, Fathom, Square, and Plaster Laths per 150, at per Ton, including 5 % Interest and usual Labourage added at a Given Rate per Ton.

Rate per ton of Carriage.	Per Standard 2½ tons, labour added 2/8 per St.	Per Fathom 3¼ tons, 216 cub. ft. labour added 3/6 p. Fthm.	Per Square of Flooring Boards.			150 Bunches Plaster Laths 1 ton, labour added for 120 Bunches 1/-
			1¼ in. thick 2¾ cwt. labour added 1½d. per Sq.	1 in. thick 2¼ cwt. labour added 1¼d. per Sq.	⅞ in. thick 1½ cwt. labour added 1d. per Sq.	
s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
3 0	0 10 6	0 13 9	0 0 6¼	0 0 5¼	0 0 3¾	0 4 5
3 6	0 11 10	0 15 5	0 0 7¼	0 0 6	0 0 4⅛	0 4 11
4 0	0 13 8	0 17 1½	0 0 8¼	0 0 6¾	0 0 4⅝	0 5 6
4 8	0 14 11	0 19 5	0 0 9	0 0 7½	0 0 5⅛	0 6 2
5 0	0 15 9½	1 0 7	0 0 10	0 0 8¼	0 0 5⅝	0 6 6
5 10	0 18 0	1 3 5	0 0 11½	0 0 9½	0 0 6½	0 7 4½
6 3	0 19 1	1 4 9½	0 1 0¼	0 0 10⅛	0 0 7	0 7 9½
6 8	1 0 2	1 6 3	0 1 1	0 0 10¾	0 0 7½	0 8 3
7 6	1 2 4	1 9 1	0 1 2½	0 1 0	0 0 8	0 9 1½
8 4	1 4 6½	1 11 11	0 1 4	0 1 1	0 0 8⅝	0 10 0
9 2	1 6 9	1 14 9	0 1 5⅛	0 1 2¼	0 0 9½	0 10 11
10 0	1 8 11	1 17 7	0 1 6⅝	0 1 3½	0 0 10¼	0 11 9
10 10	1 11 1	2 0 5	0 1 8¼	0 1 4½	0 0 11	0 12 7½
11 8	1 13 4	2 3 3	0 1 9⅝	0 1 5⅝	0 0 11⅝	0 13 6
12 6	1 15 6	2 6 1	0 1 11¼	0 1 6⅞	0 1 0½	0 14 4½
13 4	1 17 8	2 8 11	0 2 0⅝	0 1 8	0 1 1¼	0 15 3
14 2	1 19 10	2 11 9	0 2 2¼	0 1 9⅛	0 1 2	0 16 1½
15 0	2 2 0	2 14 7	0 2 3⅝	0 1 10¼	0 1 2⅝	0 17 0
15 10	2 4 2½	2 17 5	0 2 5¼	0 1 11⅜	0 1 3½	0 17 10½
16 8	2 6 5	3 0 3	0 2 6⅝	0 2 0½	0 1 4¼	0 18 9
17 6	2 8 7	3 3 1	0 2 8¼	0 2 1⅝	0 1 5	0 19 7½
18 4	2 10 9	3 5 11	0 2 9⅝	0 2 2⅞	0 1 5⅝	1 0 6
19 2	2 13 0	3 8 9	0 2 11¼	0 2 3⅛	0 1 6¾	1 1 4½
20 0	2 15 2	3 11 7	0 3 0⅝	0 2 5	0 1 7½	1 2 3
20 10	2 17 4	3 14 5	0 3 2¼	0 2 6⅛	0 1 8¾	1 3 1½
21 8	2 19 6	3 17 3	0 3 3⅝	0 2 7⅜	0 1 9	1 4 0
22 6	3 1 8	4 0 1	0 3 5¼	0 2 8⅝	0 1 10	1 4 10½
23 4	3 3 10	4 2 11	0 3 6⅝	0 2 9½	0 1 11¼	1 5 9
24 2	3 6 0	4 5 9	0 3 8¼	0 2 10⅝	0 2 0	1 6 7½
25 0	3 8 2½	4 8 7	0 3 9⅝	0 3 0¼	0 2 0¾	1 7 6

Notes.—In carrying Waney Oak Timber per Rails such as Stettin, certain Railway Companies have closed the dispute by allowing one-third in cubical contents for the loss in measurement through the Waney Timber.

Ladder Poles or other goods over 32 feet will be charged 3 tons weight, no matter how far short they may come in actual weight.

If the quantity of Deals sent be under 2 tons in weight, a guarantee for 2 tons is required by the Railway Co., where the lengths exceed 16 ft.

The Rate on Flooring is in excess of Timber and Deals.

Plaster Laths are carried by Machine Weight.

One-eighth of an inch per each cut is allowed by the Railway Co. for loss in sawing *Deals, and one-quarter of an inch* in breadth of Flooring for Grooving and Tonguing.

TABLE No. XXV.

SHOWING COST OF PANTILE AND SLATE LATHS PER STANDARD AT PER RUNNING FOOT OF BUNDLE OF 20 EACH.

Price per ft. run of Bundles.	1 × 1 in. 5 out of 5 in. 23760 ft.			1 × 1½ in. 5 out of 6 in. 19800 ft.			¾ × 1½ in. 8 out of 1½ × 7 21720 ft.			¾ × 1½ 8 out of 1½ × 7 18104 ft.			⅞ × 1½ in. 10 out of 1½ × 7 27155 ft.			⅞ + 1½ in. 10 out of 1½ × 7 22630 ft.		
d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1⅝	8	0	10½	6	14	0¾	7	7	0¾	6	2	7	9	3	10¾	7	13	2¾
1¹¹/₁₆	8	7	0¾	6	19	2⅝	7	12	8⅝	6	7	3½	9	10	11⅝	7	19	1½
1¾	8	13	3	7	4	4½	7	18	4½	6	12	0	9	18	0½	8	5	0¼
1¹³/₁₆	8	19	5¼	7	9	6⅜	8	4	0⅜	6	16	8½	10	5	1⅜	8	10	11
1⅞	9	5	7½	7	14	8¼	8	9	8¼	7	1	5	10	12	2¼	8	16	9¾
1¹⁵/₁₆	9	11	9¾	7	19	10⅛	8	15	4⅛	7	6	1½	10	19	3⅛	9	2	8½
2	9	18	0	8	5	0	9	1	0	7	10	10	11	6	4	9	8	7¼
2 1/16	10	4	2¼	8	10	1⅞	9	6	7⅞	7	15	6½	11	13	4⅞	9	14	6
2⅛	10	10	4½	8	15	3¾	9	12	3¾	8	0	3	12	0	5¾	10	0	4¾
2 3/16	10	16	6¾	9	0	5⅝	9	17	11⅝	8	4	11½	12	7	6⅝	10	6	3½
2¼	11	2	9	9	5	7½	10	3	7½	8	9	8	12	14	7½	10	12	2¼
2 5/16	11	8	11¼	9	10	9⅜	10	9	3⅜	8	14	4½	13	1	8⅜	10	18	1
2⅜	11	15	1½	9	15	11¼	10	14	11¼	8	19	1	13	8	9¼	11	3	11¾
2 7/16	12	1	3¾	10	1	1⅛	11	0	7⅛	9	3	9½	13	15	10⅛	11	9	10½
2½	12	7	6	10	6	3	11	6	3	9	8	6	14	2	11	11	15	9¼
2 9/16	12	13	8¼	10	11	4⅞	11	11	10⅞	9	13	2½	14	9	11⅞	12	1	8
2⅝	12	19	10½	10	16	6¾	11	17	6¾	9	17	11	14	17	0¾	12	7	6¾
2 11/16	13	6	0¾	11	1	8⅝	12	3	2⅝	10	2	7½	15	4	1⅝	12	13	5½
2¾	13	12	3	11	6	10½	12	8	10½	10	7	4	15	11	2½	12	19	4¼
2 13/16	13	18	5¼	11	12	0⅜	12	14	6⅜	10	12	0½	15	18	3⅜	13	5	3
2⅞	14	4	7½	11	17	2¼	13	0	2¼	10	16	9	16	5	4¼	13	11	1¾
2 15/16	14	10	9¾	12	2	4⅛	13	5	10⅛	11	1	5½	16	12	5⅛	13	17	0½
3	14	17	0	12	7	6	13	11	6	11	6	2	16	19	6	14	2	11¼
3 1/16	15	3	2¼	12	12	7⅞	13	17	1⅞	11	10	10½	17	6	6⅞	14	8	10
3⅛	15	9	4½	12	17	9¾	14	2	9¾	11	15	7	17	13	7¾	14	14	8¾
3 3/16	15	15	6¾	13	2	11⅝	14	8	5⅝	12	0	3½	18	0	8⅝	15	0	7½
3¼	16	1	9	13	8	1½	14	14	1½	12	5	0	18	7	9½	15	6	6¼
3 5/16	16	7	11¼	13	13	3⅜	14	19	9⅜	12	9	8½	18	14	10⅜	15	12	5
3⅜	16	14	1½	13	18	5¼	15	5	5¼	12	14	5	19	1	11¼	15	18	3¾
3 7/16	17	0	3¾	14	3	7⅛	15	11	1⅛	12	19	1½	19	9	0⅛	16	4	2½
3½	17	6	6	14	8	9	15	16	9	13	3	10	19	16	1	16	10	1¼
3 9/16	17	12	8¼	14	13	10⅞	16	2	4⅞	13	8	6½	20	3	1⅞	16	16	0
3⅝	17	18	10½	14	19	0¾	16	8	0¾	13	13	3	20	10	2¾	17	1	10¾
3 11/16	18	5	0¾	15	4	2⅝	16	13	8⅝	13	17	11½	20	17	3⅝	17	7	9½
3¾	18	11	3	15	9	4½	16	19	4½	14	2	8	21	4	4½	17	13	8¼
3 13/16	18	17	5¼	15	14	6⅜	17	5	0⅜	14	7	4½	21	11	5⅜	17	19	7
3⅞	19	3	7½	15	19	8¼	17	10	8¼	14	12	1	21	18	6¼	18	5	5¾
3 15/16	19	9	9¾	16	4	10⅛	17	16	4⅛	14	16	9½	22	5	7⅛	18	11	4½
4	19	16	0	16	10	0	18	2	0	15	1	6	22	12	8	18	17	3¼
4 1/16	20	2	2¼	16	15	1⅞	18	7	7⅞	15	6	2½	22	19	8⅞	19	3	2
4⅛	20	8	4½	17	0	3¾	18	13	3¾	15	10	11	23	6	9¾	19	9	0¾
4 3/16	20	14	6¾	17	5	5⅝	18	18	11⅝	15	15	7½	23	13	10⅝	19	14	11½
4¼	21	0	9	17	10	7½	19	4	7½	16	0	4	24	0	11½	20	0	10¼
4 5/16	21	6	11¼	17	15	9⅜	19	10	3⅜	16	5	0½	24	8	0⅜	20	6	9
4⅜	21	13	1½	18	0	11¼	19	15	11¼	16	9	9	24	15	1¼	20	12	7¾
4 7/16	21	19	3¾	18	6	1⅛	20	1	7⅛	16	14	5½	25	2	2⅛	20	18	6½
4½	22	5	6	18	11	3	20	7	3	16	19	6	25	9	3	21	4	5¼

N.B.—To ascertain the actual cost the cost per standard of sawing must be deducted, and an allowance of 10/ per standard for breakages, failures, &c.

TABLE No. XXVI.

Specific Gravity.

Water is the Standard which weighs 1,000 ounces, or 62½ lbs. to the cubic foot, at a temperature of 60° Fahrenheit.

Species.	lbs. to the cub. ft.	cub. ft. to the ton.	Species.	lbs. to the cub. ft.	cub. ft. to the ton.
Poplar	24	93·3	Maple and Riga Fir	47	47·8
Larch	34	65·9	Ash and Danzig Oak	47½	47·1
Memel & Danzig Fir	34½	65·	Dutch Yew	49¼	45·5
English Fir	34¾	64·4	Apple	49½	45·2
Honduras Mahogany	35	64	Alder	50	44·8
Willow	36½	61·3	Spanish Yew ...	50½	44·4
Cedar	37¼	60·1	Spanish Mahogany	53¼	42
Elm	38	58·9	Canadian Oak ...	54½	41·1
Pine	39⅓	57·	French Box and Logwood ...	57	39·3
Pear Tree	41¼	54·2	English Oak ...	60⅝	37
Pitch Pine	41⅓	54·	Adriatic Oak ...	62¼	36
Walnut	42	53·4	English Oak, 60 years cut ...	73⅛	30·6
Mar Forest Fir ...	43⅜	51·6	Ebony	83⅛	26·9
Beech	43½	51·5	Lignum Vitæ ...	83¼	26·8
Cherry	44¾	50·1			
Teak	46½	48·1			

TABLE No. XXVII.

Discount Rates.

	In the £	In the 2s. 6d.	In the 1s.		In the £	In the 2s. 6d.	In the 1s.
	s. d.	s. d.	s. d.		s. d.	s. d.	s. d.
1% is ...	0 2⅖	0 0⅜	0 0⅜	17½ % is	3 6	0 5¼	0 2 1/10
1¼ ,, ...	0 3	0 0⅝	0 0⅜	20 ,, ...	4 0	0 6	0 2⅖
2½ ,, ...	0 6	0 1¼	0 0⅗	22½ ,, ...	4 6	0 6¾	0 2 7/10
3 ,, ...	0 7⅕	0 1 9/10	0 0 9/20	25 ,, ...	5 0	0 7½	0 3
4 ,, ...	0 9⅗	0 1⅕	0 1½	27½ ,, ...	5 6	0 8¼	0 3⅜
5 ,, ...	1 0	0 1½	0 1⅘	30 ,, ...	6 0	0 9	0 3⅗
7½ ,, ...	1 6	0 2¼	0 0 9/10	40 ,, ...	8 0	1 0	0 4⅘
10 ,, ...	2 0	0 3	0 1⅘	45 ,, ...	9 0	1 1½	0 5⅖
12½ ,, ...	2 6	0 3¾	0 1½	50 ,, ...	10 0	1 3	0 6
15 ,, ...	3 0	0 4½	0 1⅘	75 ,, ...	15 0	1 10½	0 9

If the most common of these percentages be committed to memory it *will save a lot of time in discounting.*

TABLE No. XXVIII.

New Method of Calculating Interest.

To ascertain the Interest on any given sum at 5 $^{0}/_{0}$, reckon—

	s.	d.
Per Annum, as many	1	0
,, Half Year (or 182 days)	0	6
,, Quarter (or 91 days)	0	3
,, Two Months (or 61 days)	0	2
,, Month	0	1
,, Week	0	0¼

as there are Pounds contained in the Principal.

N.B.—To obtain greater precision in the calculation per week (there being 13 weeks in a quarter), deduct as many Pence as there are Shillings in the Interest.

Example.—What is the interest on £50 for a week, at 5 $^{0}/_{0}$ per annum?

Answer.—$50 \times \frac{1}{4}d. = 1s.\ 0\frac{1}{2}d. - 1d. = 11\frac{1}{2}d.$

Note.—For 10 $^{0}/_{0}$ reckon double, for 2½ $^{0}/_{0}$ half the above, and so on.

TABLE No. XXIX.

Showing the Number of Days from one given time to another.

From	To 1st Jan.	From 1st Jan.
Jan. 31 ...	334	31
Feb. 28 ...	306	59
Mar. 31 ...	275	90
Apr. 30 ...	245	120
May 31 ...	214	151
June 30 ...	184	181
July 31 ...	150	215
Aug. 31 ...	122	243
Sept. 30 ...	92	273
Oct. 31 ...	61	304
Nov. 30 ...	31	334
Dec. 31 ...	...	365

Example.—Required, the Number of Days between 16th May and the 26th April of the following year?

Look opposite May 31st, and in the first column you will find 214, to which add the difference between the two dates, 31 − 16 = 15 + 214 = 229; then next look for April 30th, and in the second column is the number 120, from which deduct the difference between the two last dates, 30 − 26 = 4, 120 − 4 = 116, 229 + 116 = 345, the days sought.

TABLE No. XXX.

A CALENDAR TO ASCERTAIN ANY DAY OF THE WEEK FOR A GIVEN TIME DURING THE PRESENT CENTURY.

Years 1801 to 1900.											Jan. and Oct.	Feb., Mch. and Nov.	April and July.	May.	June	Aug.	Sept. and Dec.
'01	'07	'18	'29	'35	'46	'57	'63	'74	'85	'91	T	Y	S	D	R	A	E
'02	'13	'19	'30	'41	'47	'58	'69	'75	'86	'97	D	R	T	A	E	Y	S
'03	'14	'25	'31	'42	'53	'59	'70	'81	'87	'98	A	E	D	Y	S	R	T
'05	'11	'22	'33	'39	'50	'61	'67	'78	'89	'95	E	D	R	S	A	T	Y
'06	'17	'23	'34	'45	'51	'62	'73	'79	'90		S	A	E	T	Y	D	R
'09	'15	'26	'37	'43	'54	'65	'71	'82	'93	'99	Y	S	A	R	T	E	D
'10	'21	'27	'38	'49	'55	'66	'77	'83	'94		R	T	Y	E	D	S	A

R	E	S	T	D	A	Y	Leap Years.				Jan., July, and April.	Feb. and Aug.	March and Nov.	May.	June.	Sept. and Dec.	Oct.
7th	6th	5th	4th	3rd	2nd	1st	'04	'32	'60	'88	Y	S	T	E	D	A	R
14th	13th	12th	11th	10th	9th	8th	'08	'36	'64	'92	D	R	E	Y	S	T	A
21st	20th	19th	18th	17th	16th	15th	'12	'40	'68	'96	S	A	Y	D	R	E	T
28th	27th	26th	25th	24th	23rd	22nd	'16	'44	'72	'900	R	T	D	S	A	Y	E
				31st	30th	29th	'20	'48	'76		A	E	S	R	T	D	Y
							'24	'52	'80		T	Y	R	A	E	S	D
							'28	'56	'84		E	D	A	T	Y	R	S

DIRECTIONS.—Having found the year required in the Table of Years, continue on the same line to the month you wish to find, where you will find a letter referring to the Table of Sundays, then take the nearest Sunday and add or subtract the difference to or from the date required.

Example.—To know what day of the week June 10th, 1856, fell on, refer to the Table of Years for 1856, and in the same line directly under June is the letter Y, directing you to column Y, whence it will be seen that the 8th June was Sunday, and consequently the 10th would fall on Tuesday.

TABLE No. XXXI.

SHOWING THE SELLING PRICE IN ORDER TO REALISE A CERTAIN PERCENTAGE OF ACTUAL PROFIT AT A GIVEN COST.

Cost.		At 5 per cent.		At 10 per cent.		At 15 per cent.		At 20 per cent.		At 22½ per cent.		At 25 per cent.		At 30 per cent.	
s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
0	1	0	1 1/16	0	1 3/32	0	1 3/16	0	1 1/4	0	1 5/16	0	1 11/32	0	1 7/16
0	2	0	2 1/8	0	2 3/16	0	2 3/8	0	2 1/2	0	2 9/16	0	2 11/16	0	2 7/8
0	3	0	3 3/16	0	3 5/16	0	3 9/16	0	3 3/4	0	3 7/8	0	4	0	4 5/16
0	4	0	4 1/4	0	4 7/16	0	4 3/4	0	5	0	5 1/8	0	5 5/16	0	5 3/4
0	5	0	5 5/16	0	5 9/16	0	5 7/8	0	6 1/4	0	6 7/16	0	6 11/16	0	7 1/8
0	6	0	6 5/16	0	6 11/16	0	7 1/16	0	7 1/2	0	7 3/4	0	8	0	8 5/8
0	7	0	7 11/32	0	7 25/32	0	8 7/32	0	8 3/4	0	9	0	9 5/16	0	10
0	8	0	8 7/16	0	8 7/8	0	9 7/16	0	10	0	10 5/16	0	10 11/16	0	11 7/16
0	9	0	9 1/2	0	10	0	10 5/8	0	11 1/4	0	11 5/8	1	0	1	0 7/8
0	10	0	10 9/16	0	11 1/8	0	11 3/4	1	0 1/2	1	0 7/8	1	1 5/16	1	2 1/4
0	11	0	11 9/16	1	0 1/4	1	0 15/16	1	1 1/4	1	2 5/16	1	2 11/16	1	3 1/16
1	0	1	0 5/8	1	1 5/16	1	2 1/8	1	3	1	3 1/2	1	4	1	5 1/8
1	1	1	1 11/16	1	2 7/16	1	3 5/16	1	4 1/4	1	4 3/4	1	5 5/16	1	6 5/8
1	2	1	2 11/16	1	3 9/16	1	4 7/16	1	5 1/2	1	6 1/8	1	6 11/16	1	8
1	3	1	3 13/16	1	4 5/8	1	5 5/8	1	6 3/4	1	7 5/8	1	8	1	9 7/16
1	4	1	4 13/16	1	5 13/16	1	6 13/16	1	8	1	8 5/8	1	9 5/16	1	10 7/8
1	5	1	5 7/8	1	6 7/8	1	8	1	9 1/4	1	10	1	10 11/16	2	0 1/4
1	6	1	6 15/16	1	8	1	9 3/16	1	10 1/2	1	11 1/4	2	0	2	1 3/4
1	7	1	8	1	9 1/8	1	10 3/8	1	11 3/4	2	0 1/2	2	1 1/4	2	3 3/8
1	8	1	9 1/16	1	10 3/16	1	11 1/2	2	1	2	1 3/4	2	2 5/8	2	4 1/2
1	9	1	10 1/8	1	11 5/16	2	0 11/16	2	2 1/4	2	3 1/8	2	4	2	6
1	10	1	11 3/16	2	0 7/16	2	1 7/8	2	3 1/2	2	4 3/8	2	5 3/8	2	7 3/8
1	11	2	0 1/4	2	1 5/8	2	3 1/16	2	4 3/4	2	5 3/4	2	6 5/8	2	8 7/8
2	0	2	1 1/4	2	2 11/16	2	4 5/16	2	6	2	7	2	8	2	10 3/8
2	1	2	2 5/16	2	3 13/16	2	5 7/16	2	7 1/4	2	8 1/4	2	9 1/4	2	11 3/8
2	2	2	3 3/8	2	4 7/8	2	6 9/16	2	8 1/2	2	9 5/8	2	10 1/4	3	1 1/4
2	3	2	4 7/16	2	6	2	7 13/16	2	9 3/4	2	10 7/8	3	0	3	2 1/2
2	4	2	5 7/16	2	7 1/8	2	8 15/16	2	11	3	0 1/8	3	1 1/4	3	4
2	5	2	6 9/16	2	8 1/4	2	10 1/8	3	0 1/4	3	1 1/2	3	2 5/8	3	5 3/8
2	6	2	7 5/8	2	9 3/8	2	11 1/4	3	1 1/2	3	2 3/4	3	4	3	6 7/8
2	7	2	8 5/8	2	10 1/2	3	0 1/2	3	2 3/4	3	4	3	5 3/8	3	8 1/4
2	8	2	9 5/8	2	11 5/8	3	1 5/8	3	4	3	5 1/8	3	6 5/8	3	9 3/4
2	9	2	10 3/4	3	0 5/8	3	2 3/4	3	5 1/2	3	6 3/8	3	8	3	11 1/8
2	10	2	11 3/4	3	1 3/4	3	4	3	6 1/2	3	8	3	9 3/8	4	0 1/2
2	11	3	0 7/8	3	2 7/8	3	5 1/8	3	7 3/4	3	9 1/4	3	10 5/8	4	2
3	0	3	1 7/8	3	4	3	6 3/8	3	9	3	10 1/2	4	0	4	3 3/8
3	1	3	3	3	5 1/8	3	7 1/2	3	10 1/4	3	11 5/8	4	1 3/8	4	4 5/8
3	2	3	4	3	6 1/4	3	8 3/4	3	11 1/2	4	1 3/8	4	2 5/8	4	6 1/8
3	3	3	5 1/8	3	7 3/8	3	9 7/8	4	0 3/4	4	2 3/8	4	4	4	7 5/8
3	4	3	6 1/8	3	8 1/2	3	11	4	2	4	3 3/8	4	5 1/4	4	9 1/2
3	5	3	7 1/4	3	9 5/8	4	0 1/4	4	3 1/4	4	5	4	6 5/8	4	10 1/2
3	6	3	8 1/4	3	10 5/8	4	1 3/8	4	4 1/2	4	6 1/4	4	8	5	0
3	7	3	9 1/4	3	11 3/4	4	2 1/2	4	5 3/4	4	7 1/2	4	9 1/4	5	1 1/4
3	8	3	10 3/8	4	0 7/8	4	3 3/4	4	7	4	8 7/8	4	10 5/8	5	2 5/8
3	9	3	11 1/2	4	1 7/8	4	5	4	8 1/4	4	10 1/8	5	0	5	4 1/2
3	10	4	0 1/2	4	3 1/8	4	6 1/8	4	9 1/2	4	11 3/8	5	1 3/8	5	5 3/4
3	11	4	1 5/8	4	4 1/4	4	7 3/8	4	10 3/4	5	0 3/4	5	2 5/8	5	7 1/8
4	0	4	2 1/2	4	5 3/8	4	8 5/8	5	0	5	2	5	4	5	8 5/8

TABLE No. XXXI.

SHOWING THE SELLING PRICE IN ORDER TO REALISE A CERTAIN PERCENTAGE OF ACTUAL PROFIT AT A GIVEN COST.

Cost.			To sell @ 5 °/₀ profit.			To sell @ 10 °/₀ profit.			To sell @ 15 °/₀ profit.			To sell @ 17½ °/₀ profit.			To sell @ 20 °/₀ profit.			To sell @ 25 °/₀ profit.		
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
0	4	6	0	4	8 7/8	0	5	0	0	5	3 5/8	0	5	5 3/8	0	5	7½	0	6	0
0	5	0	0	5	3 1/4	0	5	6 5/8	0	5	10 3/8	0	6	0 3/4	0	6	3	0	6	8
0	5	6	0	5	9 1/8	0	6	1 3/8	0	6	5 1/2	0	6	8	0	6	10½	0	7	4
0	6	0	0	6	3 3/8	0	6	8	0	7	0 3/4	0	7	3 1/8	0	7	6	0	8	0
0	6	6	0	6	10 1/8	0	7	2 5/8	0	7	7 3/4	0	7	10 1/2	0	8	1¼	0	8	8
0	7	6	0	7	10 3/4	0	8	3 3/4	0	8	10	0	9	1	0	9	4½	0	10	0
0	10	0	0	10	6½	0	11	1¼	0	11	9	0	12	1½	0	12	6	0	13	4
0	12	6	0	13	2	0	13	10½	0	14	8½	0	15	1⅝	0	15	7½	0	16	8
0	15	0	0	15	9½	0	16	8	0	17	7 3/4	0	18	2½	0	18	9	1	0	0
0	17	6	0	18	5¼	0	19	5½	1	0	6 3/4	1	1	2½	1	1	10½	1	3	4
1	0	0	1	1	0½	1	2	2½	1	3	6	1	4	3	1	5	0	1	6	8
5	0	0	5	5	4	5	11	2	5	17	8	6	1	2	6	5	0	6	13	4
5	10	0	5	15	10	6	2	3	6	9	5	6	13	4	6	17	6	7	6	8
5	15	0	6	1	1	6	7	9	6	15	4	6	19	4	7	3	9	7	13	4
6	0	0	6	6	4	6	13	4	7	1	2	7	5	6	7	10	0	8	0	0
6	5	0	6	11	7	6	18	10	7	7	1	7	11	6	7	16	3	8	6	8
6	10	0	6	16	10	7	4	5	7	12	11	7	17	6	8	2	6	8	13	4
6	15	0	7	2	1	7	10	0	7	18	9	8	3	7	8	8	9	9	0	0
7	0	0	7	7	4	7	15	7	8	4	8	8	9	8	8	15	0	9	6	8
7	5	0	7	12	8	8	1	2	8	10	7	8	15	8	9	1	3	9	13	4
7	10	0	7	17	11	8	6	8	8	16	6	9	1	9	9	7	6	10	0	0
7	15	0	8	3	2	8	12	2	9	2	4	9	7	10	9	13	9	10	6	8
8	0	0	8	8	5	8	17	9	9	8	3	9	13	11	10	0	0	10	13	4
8	5	0	8	13	8	9	3	4	9	14	2	10	0	0	10	6	3	11	0	0
8	10	0	8	18	11	9	8	10	10	0	0	10	6	1	10	12	6	11	6	8
8	15	0	9	4	2	9	14	5	10	5	10	10	12	2	10	18	9	11	13	4
9	0	0	9	9	6	10	0	0	10	11	9	10	18	2	11	5	0	12	0	0
9	5	0	9	14	9	10	5	7	10	17	8	11	4	3	11	11	3	12	6	8
9	10	0	10	0	0	10	11	2	11	3	6	11	10	4	11	17	6	12	13	4
9	15	0	10	5	3	10	16	8	11	9	5	11	16	4	12	3	9	13	0	0
10	0	0	10	10	7	11	2	2	11	15	4	12	2	5	12	10	0	13	6	8
10	5	0	10	15	11	11	7	10	12	1	3	12	8	5	12	16	3	13	13	4
10	10	0	11	1	2	11	13	4	12	7	1	12	14	6	13	2	6	14	0	0
10	15	0	11	6	5	11	18	11	12	13	0	13	0	7	13	8	9	14	6	8
11	0	0	11	11	7	12	4	5	12	18	10	13	6	8	13	15	0	14	13	4
11	5	0	11	16	11	12	10	0	13	4	9	13	12	8	14	1	3	15	0	0
11	10	0	12	2	1	12	15	7	13	10	8	13	18	9	14	7	6	15	6	8
11	15	0	12	7	5	13	1	1	13	16	6	14	4	10	14	13	9	15	13	4
12	0	0	12	12	8	13	6	8	14	2	4	14	10	11	15	0	0	16	0	0
12	5	0	12	17	11	13	12	2	14	8	3	14	17	0	15	6	3	16	6	8
12	10	0	13	3	2	13	17	9	14	14	2	15	3	0	15	12	6	16	13	4
12	15	0	13	8	5	14	3	3	15	0	0	15	9	0	15	18	9	17	0	0
13	0	0	13	13	8	14	8	10	15	5	11	15	15	2	16	5	0	17	6	8
13	10	0	14	4	2	15	0	0	15	17	8	16	7	3	16	17	6	18	0	0
14	0	0	14	14	9	15	11	2	16	9	5	16	19	4	17	10	0	18	13	4
14	10	0	15	5	4	16	2	2	17	1	2	17	11	6	18	2	6	19	6	8
15	*0*	*0*	*15*	*15*	*10*	16	13	4	17	12	11	18	3	7	18	15	0	20	0	0
15	*10*	*0*	*16*	*6*	*4*	*17*	*4*	*5*	18	4	8	18	15	9	19	7	6	20	13	4
16	*0*	*0*	*16*	*16*	*10*	*17*	*15*	*6*	18	16	6	19	7	10	20	0	0	21	6	8
6	*10*	*0*	*17*	*7*	*5*	*18*	*6*	*8*	19	8	4	20	0	0	20	12	6	22	0	0

TABLE No. XXXII.

SHOWING CUBIC (165TH) PARTS OF A STANDARD.

Cubic Feet.	St.	qrs.	pts.	Cubic Feet.	St.	qrs.	pts.	Cubic Feet.	St.	qrs.	pts.	Cubic Feet.	St.	qrs.	pts.
1	–	–	$0\frac{8}{11}$	42	–	1	$0\frac{8}{11}$	83	–	2	$0\frac{4}{11}$	124	–	3	$0\frac{3}{11}$
2	–	–	$1\frac{6}{11}$	43	–	1	$1\frac{3}{11}$	84	–	2	$1\frac{1}{11}$	125	–	3	$0\frac{10}{11}$
3	–	–	$2\frac{2}{11}$	44	–	1	2	85	–	2	$1\frac{9}{11}$	126	–	3	$1\frac{7}{11}$
4	–	–	$2\frac{10}{11}$	45	–	1	$2\frac{8}{11}$	86	–	2	$2\frac{6}{11}$	127	–	3	$2\frac{4}{11}$
5	–	–	$3\frac{7}{11}$	46	–	1	$3\frac{5}{11}$	87	–	2	$3\frac{3}{11}$	128	–	3	$3\frac{1}{11}$
6	–	–	$4\frac{4}{11}$	47	–	1	$4\frac{2}{11}$	88	–	2	4	129	–	3	$3\frac{9}{11}$
7	–	–	$5\frac{1}{11}$	48	–	1	$4\frac{10}{11}$	89	–	2	$4\frac{8}{11}$	130	–	3	$4\frac{6}{11}$
8	–	–	$5\frac{9}{11}$	49	–	1	$5\frac{7}{11}$	90	–	2	$5\frac{5}{11}$	131	–	3	$5\frac{3}{11}$
9	–	–	$6\frac{6}{11}$	50	–	1	$6\frac{4}{11}$	91	–	2	$6\frac{2}{11}$	132	–	3	6
10	–	–	$7\frac{3}{11}$	51	–	1	$7\frac{1}{11}$	92	–	2	$6\frac{10}{11}$	133	–	3	$6\frac{8}{11}$
11	–	–	8	52	–	1	$7\frac{9}{11}$	93	–	2	$7\frac{7}{11}$	134	–	3	$7\frac{6}{11}$
12	–	–	$8\frac{8}{11}$	53	–	1	$8\frac{6}{11}$	94	–	2	$8\frac{4}{11}$	135	–	3	$8\frac{2}{11}$
13	–	–	$9\frac{5}{11}$	54	–	1	$9\frac{3}{11}$	95	–	2	$9\frac{1}{11}$	136	–	3	$8\frac{10}{11}$
14	–	–	$10\frac{2}{11}$	55	–	1	10	96	–	2	$9\frac{9}{11}$	137	–	3	$9\frac{7}{11}$
15	–	–	$10\frac{10}{11}$	56	–	1	$10\frac{8}{11}$	97	–	2	$10\frac{6}{11}$	138	–	3	$10\frac{5}{11}$
16	–	–	$11\frac{7}{11}$	57	–	1	$11\frac{5}{11}$	98	–	2	$11\frac{3}{11}$	139	–	3	$11\frac{1}{11}$
17	–	–	$12\frac{4}{11}$	58	–	1	$12\frac{2}{11}$	99	–	2	12	140	–	3	$11\frac{9}{11}$
18	–	–	$13\frac{1}{11}$	59	–	1	$12\frac{10}{11}$	100	–	2	$12\frac{8}{11}$	141	–	3	$12\frac{6}{11}$
19	–	–	$13\frac{9}{11}$	60	–	1	$13\frac{7}{11}$	101	–	2	$13\frac{5}{11}$	142	–	3	$13\frac{3}{11}$
20	–	–	$14\frac{6}{11}$	61	–	1	$14\frac{4}{11}$	102	–	2	$14\frac{2}{11}$	143	–	3	14
21	–	–	$15\frac{3}{11}$	62	–	1	$15\frac{1}{11}$	103	–	2	$14\frac{10}{11}$	144	–	3	$14\frac{8}{11}$
22	–	–	16	63	–	1	$15\frac{9}{11}$	104	–	2	$15\frac{7}{11}$	145	–	3	$15\frac{6}{11}$
23	–	–	$16\frac{8}{11}$	64	–	1	$16\frac{6}{11}$	105	–	2	$16\frac{4}{11}$	146	–	3	$16\frac{3}{11}$
24	–	–	$17\frac{5}{11}$	65	–	1	$17\frac{3}{11}$	106	–	2	$17\frac{1}{11}$	147	–	3	$16\frac{10}{11}$
25	–	–	$18\frac{2}{11}$	66	–	1	18	107	–	2	$17\frac{9}{11}$	148	–	3	$17\frac{7}{11}$
26	–	–	$18\frac{10}{11}$	67	–	1	$18\frac{8}{11}$	108	–	2	$18\frac{6}{11}$	149	–	3	$18\frac{4}{11}$
27	–	–	$19\frac{7}{11}$	68	–	1	$19\frac{5}{11}$	109	–	2	$19\frac{3}{11}$	150	–	3	$19\frac{1}{11}$
28	–	–	$20\frac{4}{11}$	69	–	1	$20\frac{2}{11}$	110	–	2	20	151	–	3	$19\frac{9}{11}$
29	–	–	$21\frac{1}{11}$	70	–	1	$20\frac{10}{11}$	111	–	2	$20\frac{8}{11}$	152	–	3	$20\frac{6}{11}$
30	–	–	$21\frac{9}{11}$	71	–	1	$21\frac{7}{11}$	112	–	2	$21\frac{5}{11}$	153	–	3	$21\frac{3}{11}$
31	–	–	$22\frac{6}{11}$	72	–	1	$22\frac{4}{11}$	113	–	2	$22\frac{2}{11}$	154	–	3	22
32	–	–	$23\frac{3}{11}$	73	–	1	$23\frac{1}{11}$	114	–	2	$22\frac{10}{11}$	155	–	3	$22\frac{8}{11}$
33	–	–	24	74	–	1	$23\frac{9}{11}$	115	–	2	$23\frac{7}{11}$	156	–	3	$23\frac{5}{11}$
34	–	–	$24\frac{8}{11}$	75	–	1	$24\frac{6}{11}$	116	–	2	$24\frac{4}{11}$	157	–	3	$24\frac{3}{11}$
35	–	–	$25\frac{5}{11}$	76	–	1	$25\frac{3}{11}$	117	–	2	$25\frac{1}{11}$	158	–	3	$24\frac{10}{11}$
36	–	–	$26\frac{2}{11}$	77	–	1	26	118	–	2	$25\frac{9}{11}$	159	–	3	$25\frac{7}{11}$
37	–	–	$26\frac{10}{11}$	78	–	1	$26\frac{8}{11}$	119	–	2	$26\frac{6}{11}$	160	–	3	$26\frac{4}{11}$
38	–	–	$27\frac{7}{11}$	79	–	1	$27\frac{5}{11}$	120	–	2	$27\frac{3}{11}$	161	–	3	$27\frac{1}{11}$
39	–	–	$28\frac{4}{11}$	80	–	1	$28\frac{2}{11}$	121	–	2	28	162	–	3	$27\frac{9}{11}$
40	–	–	$29\frac{1}{11}$	81	–	1	$28\frac{10}{11}$	122	–	2	$28\frac{8}{11}$	163	–	3	$28\frac{6}{11}$
41	–	–	$29\frac{9}{11}$	82	–	1	$29\frac{7}{11}$	123	–	2	$29\frac{5}{11}$	164	–	3	$29\frac{3}{11}$

NOTE.—This table will be specially useful to Importers where the B/L's are specified so many Standards and so many 165ths, which is frequently the case. It will be also equally *useful in showing* relative quantity of Standards and Cubic Feet.

TABLE No. XXXIII.

SHOWING 100TH PARTS OF A STANDARD.

	St.	qrs.	pts.		St.	qrs.	pts.		St.	qrs.	pts.		St.	qrs.	pts.		St.	qrs.	pts.
1	–	–	1 1/5	21	–	–	25 1/5	41	–	1	19 1/5	61	–	2	13 1/5	81	–	3	7 1/5
2	–	–	2 2/5	22	–	–	26 2/5	42	–	1	20 2/5	62	–	2	14 2/5	82	–	3	8 2/5
3	–	–	3 3/5	23	–	–	27 3/5	43	–	1	21 3/5	63	–	2	15 3/5	83	–	3	9 3/5
4	–	–	4 4/5	24	–	–	28 4/5	44	–	1	22 4/5	64	–	2	16 4/5	84	–	3	10 4/5
5	–	–	6	25	–	1	0	45	–	1	24	65	–	2	18	85	–	3	12
6	–	–	7 1/5	26	–	1	1 1/5	46	–	1	25 1/5	66	–	2	19 1/5	86	–	3	13 1/5
7	–	–	8 2/5	27	–	1	2 2/5	47	–	1	26 2/5	67	–	2	20 2/5	87	–	3	14 2/5
8	–	–	9 3/5	28	–	1	3 3/5	48	–	1	27 3/5	68	–	2	21 3/5	88	–	3	15 3/5
9	–	–	10 4/5	29	–	1	4 4/5	49	–	1	28 4/5	69	–	2	22 4/5	89	–	3	16 4/5
10	–	–	12	30	–	1	6	50	–	2	0	70	–	2	24	90	–	3	18
11	–	–	13 1/5	31	–	1	7 1/5	51	–	2	1 1/5	71	–	2	25 1/5	91	–	3	19 1/5
12	–	–	14 2/5	32	–	1	8 2/5	52		2	2 2/5	72	–	2	26 2/5	92	–	3	20 2/5
13	–	–	15 3/5	33	–	1	9 3/5	53	–	2	3 3/5	73	–	2	27 3/5	93	–	3	21 3/5
14	–	–	16 4/5	34	–	1	10 4/5	54	–	2	4 4/5	74	–	2	28 4/5	94	–	3	22 4/5
15	–	–	18	35	–	1	12	55	–	2	6	75	–	3	0	95	–	3	24
16	–	–	19 1/5	36	–	1	13 1/5	56	–	2	7 1/5	76	–	3	1 1/5	96	–	3	25 1/5
17	–	–	20 2/5	37	–	1	14 2/5	57	–	2	8 2/5	77	–	3	2 2/5	97	–	3	26 2/5
18	–	–	21 3/5	28	–	1	15 3/5	58	–	2	9 3/5	78	–	3	3 3/5	98	–	3	27 3/5
19	–	–	22 4/5	39	–	1	16 4/5	59	–	2	10 4/5	79	–	3	4 4/5	99	–	3	28 4/5
20	–	–	24	40	–	1	18	60	–	2	12	80	–	3	6	100	1	0	0

TABLE No. XXXIV.

SHOWING 1000TH PARTS OF A STANDARD.

	St.	qrs.	pts.		St.	qrs.	pts.		St.	qrs.	pts.		St.	qrs.	pts.		St.	qrs.	pts.
5	–	–	3/5	130	–	–	15 3/5	350	–	1	12	570	–	2	8 2/5	790	–	3	41 4/5
10	–	–	1 1/5	140	–	–	16 4/5	360	–	1	13 1/5	580	–	2	9 3/5	800	–		6
15	–	–	1 4/5	150	–	–	18	370	–	1	14 2/5	590	–	2	10 4/5	810	–	3	7 1/5
20	–	–	2 2/5	160	–	–	19 1/5	380	–	1	15 3/5	600	–	2	12	820	–	3	8 2/5
25	–	–	3	170	–	–	20 2/5	390	–	1	16 4/5	610	–	2	13 1/5	830	–	3	9 3/5
30	–	–	3 3/5	180	–	–	21 3/5	400	–	1	18	620	–	2	14 2/5	840	–	3	10 4/5
35	–	–	4 1/5	190	–	–	22 4/5	410	–	1	19 1/5	630	–	2	15 3/5	850	–	3	12
40	–	–	4 4/5	200	–	–	24	420	–	1	20 2/5	640	–	2	16 4/5	860	–	3	13 1/5
45	–	–	5 2/5	210	–	–	25 1/5	430	–	1	21 3/5	650	–	2	18	870	–	3	14 2/5
50	–	–	6	220	–	–	26 2/5	440	–	1	22 4/5	660	–	2	19 1/5	880	–	3	15 3/5
55	–	–	6 3/5	230	–	–	27 3/5	450	–	1	24	670	–	2	20 2/5	890	–	3	16 4/5
60	–	–	7 1/5	240	–	–	28 4/5	460	–	1	25 1/5	680	–	2	21 3/5	900	–	3	18
65	–	–	7 4/5	250	–	1	0	470	–	1	26 2/5	690	–	2	22 4/5	910	–	3	19 1/5
70	–	–	8 2/5	260	–	1	1 1/5	480	–	1	27 3/5	700	–	2	24	920	–	3	20 2/5
75	–	–	9	270	–	1	2 2/5	490	–	1	28 4/5	710	–	2	25 1/5	930	–	3	21 3/5
80	–	–	9 3/5	280	–	1	3 3/5	500	–	2	0	720	–	2	26 2/5	940	–	3	22 4/5
85	–	–	10 1/5	290	–	1	4 4/5	510	–	2	1 1/5	730	–	2	27 3/5	950	–	3	24
90	–	–	10 4/5	300	–	1	6	520	–	2	2 2/5	740	–	2	28 4/5	960	–	3	25 1/5
95	–	–	11 2/5	310	–	1	7 1/5	530	–	2	3 3/5	750	–	3	0	970	–	3	26 2/5
100	–	–	12	320	–	1	8 2/5	540	–	2	4 4/5	760	–	3	1 1/5	980	–	3	27 3/5
110	–	–	13 1/5	330	–	1	9 3/5	550	–	2	6	770	–	3	2 2/5	990	–	3	28 4/5
120	–	–	14 2/5	340	–	1	10 4/5	560	–	2	7 1/5	780	–	3	3 3/5	1000	1	0	0

NOTE.—Tables XXXII., XXXIII., and XXXIV., will be all alike useful for computing Standard Quantities of B/L's, as Shippers adopt all these various methods of rendering the fractional parts of a Standard

TABLE No. XXXV.

SHOWING AVERAGE RATE PER MILE PER TON AND PER STANDARD OF CARRIAGE FROM TIMBER PORTS.

Under	20	Miles	averages	3·92*d.*	per Mile	per Ton or	9·80*d.*	per Mile.
,,	30	,,	,,	2·92*d.*	,,	,,	7·30*d.*	,,
,,	40	,,	,,	2·82*d.*	,,	,,	7·05*d.*	,,
,,	50	,,	,,	2·33*d.*	,,	,,	5·82*d.*	,,
,,	75	,,	,,	2·24*d.*	,,	,,	5·60*d.*	,,
,,	100	,,	,,	1·74*d.*	,,	,,	4·35*d.*	,,
,,	150	,,	,,	1·23*d.*	,,	,,	3·07*d.*	,,
Over	150 and under 250			1·13*d.*	,,	,,	2·82*d.*	,,
							Per Standard.	

N.B.—This average has been arrived at, by taking the mean rate from a selection of about 600 different Railway rates from nine principal Importing Towns of the Country, but as the Rates vary so much, according to local influences, the above can only claim to give an approximate idea of the cost of Carriage

TABLE No. XXXVI.

WEIGHTS OF VARIOUS ARTICLES.	Tons.	Cwt.	qrs.	lbs.
Machine-made Laths, 80 Bunches to a Ton, or each about	0	0	1	0
Lath and a half 100 ,, ,, ,,	0	0	0	22½
Single 110–20 ,, ,, ...	0	0	0	20
C. R. W. 1⅛ 500ft. 75 ,, ,, ...	0	0	1	2
C. R. W. 1 500ft. 85 ,, ,, ...	0	0	0	26
Swedish Split Lath and half 360ft. 150 Beches. to a Ton...	0	0	0	15
Hull-made 155 ,,	0	0	0	14½
Lathwood per Fathom 8ft, ×6×6	3	12	0	0
,, ,, 6ft. ×6×6	2	14	0	0
1½ in. P. G & T. Boards per Square...	0	3	1	14
1¼ in. ,, ...	0	2	3	0
1 in. ,, ...	0	2	1	0
¾ in. ,, ...	0	1	2	0
Ladder Poles 4 to 6 in. diameter, at butts. Full Size ...	0	0	2	0
,, 3 to 4 in. ,, Under Size ...	0	0	1	0
Rickers 22ft.	0	0	2	0
Pipe Staves 5½ft. to 6ft. ×3×6. 120 Staves (1 mille)	2	0	0	0
Puncheon 3½ft. 1¼×5½ 120 ,, ...		7	0	0
Petersburg Standard	2	10	0	0
London or Irish Standard	4	2	0	0
A Fathom	3	5	0	0
ROCK AND SLATE LATHS. 20 IN A BUNDLE.				
⅝ ×1¼ 600ft. run of Bundles to a Ton, or per Bundle...	0	0	2	19
¾ ×1 638ft. ,, ,, ,, ...	0	0	2	14
¾ ×1¼ 506ft. ,, ,, ,, ...	0	0	3	4
¾ ×1½ 422ft. ,, ,, ,, ...	0	0	3	22
¾ ×2 317ft. ,, ,, ,, ...	0	1	1	1
1 ×1 475ft. ,, ,, ,, ...	0		3	10
1 ×1¼ 380ft. ,, ,, ,, ...	0	1	0	6
1 ×1½ 317ft. ,, ,, ,, ...	0	1	1	1
1 ×2 237ft. ,, ,, ,, ...	0	1	2	21
1 20ft. 3×11 Deal	0	1	1	15
1 20ft. 3×9 ,, ...	0	1	0	15
1 20ft. 3×7 Batten	0	0	3	15
1 20ft. 2½×7 ,, ...	0	0	2	28

TABLE No. XXXVII.

SHOWING COMPARATIVE VALUE OF FOREIGN CURRENCY WITH BRITISH AT THE PRESENT RATES OF EXCHANGE.

British.			Scandinavia 18·15 to the £		Finland. 25 to the £		Russia. 10 to the £		Germany. 20·50 to the £		France, Belgium and Switzerland. 25·25 to the £		U.S. America. 4 50 to the £	
			Kronas.	Ore.	Marks.	Pennis.	Paper Roubles.	Paper Copecs.	Reichs Marks.	Pfennige.	Francs.	Centimes.	Dollars.	Cents.
£	s.	d.												
0	0	0½	0	4	0	5¼	0	2	0	4¼	0	5¼	0	1
0	0	1	0	7½	0	10½	0	4½	0	8½	0	10½	0	2
0	0	2	0	15	0	21	0	8½	0	17	0	21	0	3¾
0	0	3	0	22½	0	31½	0	12½	0	25½	0	31½	0	5¼
0	0	4	0	30	0	41½	0	16½	0	34	0	42	0	7½
0	0	5	0	38	0	52	0	20¾	0	42¾	0	52½	0	9½
0	0	6	0	45½	0	62½	0	25	0	51¼	0	63	0	11¼
0	0	7	0	53	0	73	0	29¼	0	59¾	0	73½	0	13
0	0	8	0	60½	0	83¼	0	33¼	0	68¼	0	84	0	15
0	0	9	0	68	0	93¾	0	37½	0	76¾	0	94½	0	16¾
0	0	9½	0	71¾	1	0	0	39¼	0	81	1	0	0	17¾
0	0	10	0	75½	1	4¼	0	41½	0	85½	1	5	0	18¾
0	0	11	0	83	1	14½	0	45¾	0	94	1	15½	0	20½
0	0	11¾	0	88½	1	22¼	0	49	1	0	1	23½	0	22
0	1	0	0	90¾	1	25	0	50	1	2½	1	26¼	0	22½
0	1	1½	1	0	1	40½	0	56¼	1	15¼	1	42	0	25¼
0	2	0	1	81½	2	50	1	0	2	5	2	52½	0	45
0	3	0	2	72¼	3	75	1	50	3	7½	3	78¾	0	67½
0	4	0	3	63	5	0	2	0	4	10	5	5	0	90
0	5	0	4	53¾	6	25	2	50	5	12½	6	31½	1	12½
0	6	0	5	44½	7	50	3	0	6	15	7	57½	1	35
0	7	0	6	35¼	8	75	3	50	7	17½	8	83¾	1	57½
0	8	0	7	26	10	0	4	0	8	20	10	10	1	80
0	9	0	8	16¾	11	25	4	50	9	22½	11	36¼	2	2½
0	10	0	9	07½	12	50	5	0	10	25	12	62½	2	25
0	11	0	9	98¼	13	75	5	50	11	27½	13	88¾	2	47½
0	12	0	10	89	15	0	6	0	12	30	15	15	2	70
0	13	0	11	79¾	16	25	6	50	13	32½	16	41¼	2	92½
0	14	0	12	70½	17	50	7	0	14	35	17	67½	3	15
0	15	0	13	61¼	18	75	7	50	15	37½	18	93¾	3	37½
0	16	0	14	52	20	0	8	0	16	40	20	20	3	60
0	17	0	15	42¾	21	25	8	50	17	42½	21	46¼	3	82½
0	18	0	16	33½	22	50	9	0	18	45	22	72½	4	5
0	19	0	17	24¼	23	75	9	50	19	47½	23	98¾	4	27½
1	0	0	18	15	25	0	10	0	20	50	25	25	4	50
2	0	0	36	30	50	0	20	0	41	0	50	50	9	0
3	0	0	54	45	75	0	30	0	61	50	75	75	13	50
4	0	0	72	60	100	0	40	0	82	0	101	0	18	0
5	0	0	90	75	125	0	50	0	102	50	126	25	22	50
6	0	0	108	90	150	0	60	0	123	0	151	50	27	0
7	0	0	127	5	175	0	70	0	143	50	176	75	31	50
8	0	0	145	20	200	0	80	0	164	0	202	0	36	0
9	0	0	163	35	225	0	90	0	184	50	227	25	40	50
10	0	0	181	50	250	0	100	0	205	0	252	50	45	0
100	*0*	*0*	*1815*	*0*	*2500*	0	1000	0	2050	0	2525	0	450	0
500	*0*	*0*	*9075*	*0*	*12500*	0	5000	0	10250	0	12625	0	2250	0
1000	*0*	*0*	*18150*	*0*	*25000*	0	10000	0	20500	0	25250	0	4500	0

1 Ore=1 Kr. 100 Penn.=1 M. 100 Cop.=Rouble. 100 Pfenn.=1 R M. 100 Cents.=1 Fr. 100 Cents=1 Dol.

TABLE No. XXXVIII.

FOR CUBING PITPROPS BY THE 113 DIVISOR FROM THE ¼ GIRTH (CUSTOMS MEASURE).

Length, Feet.	4-in. ¼ Girth.	4½-in. ¼ Girth.	5-in. ¼ Girth.	5½-in. ¼ Girth.	6-in. ¼ Girth.	6½-in. ¼ Girth.	7-in. ¼ Girth.
	Ft. Dec.	Ft. Dec.	Ft. Dec.	Ft. Dec.	Ft. Dec.	Ft. Dec.	Ft. Dec.
1	·141	·179	·221	·267	·318	·374	·434
2	·283	·358	·442	·535	·637	·748	·867
3	·424	·537	·663	·803	·956	1·122	1·301
4	·566	·716	·884	1·070	1·274	1·495	1·734
5	·708	·896	1·106	1·338	1·593	1·869	2·168
6	·850	1·075	1·327	1·606	1·911	2·224	2·602
7	·991	1·254	1·548	1·873	2·230	2·617	3·035
8	1·133	1·433	1·769	2·141	2·548	2·991	3·469
9	1·274	1·612	1·991	2·409	2·867	3·365	3·903
10	1·416	1·792	2·212	2·677	3·186	3·738	4·336
20	2·831	3·584	4·424	5·354	6·371	7·479	8·673
30	4·248	5·376	6·636	8·031	9·557	11·217	13.009
40	5·664	7·168	8·849	10·708	12·743	14·956	17·345
50	7·079	8·960	11·061	13·385	15·929	18·694	21·681
60	8·496	10·752	13·273	16·062	19·115	22·433	26·018
70	9·911	12·544	15·486	18·739	22·300	26·172	30·354
80	11·327	14·336	17·698	21·416	25·484	29·911	34·690
90	12·743	16·128	19·911	24·093	28·672	33·650	39·026
100	14·159	17·920	22·124	26·770	31·858	37·389	43·363
1000	141·593	179·203	221·239	267·699	318·584	373·890	433·628

TABLE No. XXXIX.

FOR CUBING PITPROPS BY THE 183 DIVISOR FROM THE DIAMETER (CUSTOMS MEASURE).

Length, Feet.	5-in. Diam.	5½-in. Diam.	6-in. Diam.	6½-in Diam.	7½-in. Diam.	8-in. Diam.	8½-in. Diam.
1	·136	·165	·197	·231	·307	·350	·395
2	·273	·331	·393	·462	·615	·699	·790
3	·410	·496	·590	·693	·922	1·049	1·184
4	·546	·661	·787	·924	1·229	1·399	1·579
5	·683	·826	·984	1·155	1·537	1·748	1·974
6	·820	·992	1·180	1·386	1·844	2·098	2·369
7	·956	1·157	1·377	1·616	2·152	2·448	2·764
8	1·093	1·322	1·574	1·847	2·459	2·798	3·158
9	1·230	1·488	1·770	2·078	2·766	3·147	3·553
10	1·366	1·653	1·967	2·309	3·074	3·497	3·948
20	2·732	3·306	3·934	4·618	6·147	6·994	7·896
30	4·098	4·959	5·902	6·928	9·221	10·491	11·844
40	5·464	6·612	7·870	9·237	12·295	13·989	15·792
50	6·831	8·265	9·836	11·546	15·369	17·486	19·740
60	8·197	9·918	11·803	13·855	18·443	20·983	23·688
70	9·563	11·571	13·770	16·164	21·516	24·480	27·636
80	10·929	13·224	15·738	18·474	24·590	27·978	31·584
90	12·295	14·877	17·705	20·783	27·664	31·475	35·532
100	13·661	16·530	19·672	23·092	30·738	34·972	39·480
1000	136·612	165·300	196·721	230·920	307·377	349·720	394·809
5000	*683·060*	826·500	983·605	1154·600	1536·885	1748·600	1974·045

N.B —For 7 in. Diameter, see 5½ in. ¼ Girth, they being equal to each other.

TABLE No. XL.

SHOWING THE CUBICAL CONTENTS OF ROUND TIMBER FROM THE DIAMETER BY THE DIVISOR 233 = (144 ¼ GIRTH).

Length, Feet.	9in. dia.		10in. dia.		11in. dia.		12in. dia.		13in. dia.		14in. dia.		15in. dia.		16in. dia.	
	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.
1	0	4	0	5	0	6	0	7	0	8	0	10	1	0	1	1
5	1	9	2	1	2	7	3	1	3	7	4	2	4	10	5	6
6	2	1	2	7	3	1	3	8	4	4	5	0	5	9	6	7
7	2	5	3	0	3	7	4	4	5	0	5	10	6	9	7	8
8	2	9	3	5	4	2	4	11	5	9	6	8	7	9	8	9
9	3	1	3	10	4	8	5	6	6	6	7	6	8	8	9	10
10	3	6	4	3	5	2	6	2	7	2	8	5	9	8	10	11
11	3	10	4	8	5	8	6	9	7	11	9	3	10	7	12	1
12	4	2	5	1	6	2	7	4	8	8	10	1	11	7	13	2
13	4	6	5	7	6	9	8	0	9	4	10	11	12	6	14	3
14	4	10	6	0	7	3	8	7	10	1	11	9	13	6	15	4
15	5	2	6	5	7	9	9	2	10	10	12	7	14	6	16	5
16	5	7	6	10	8	3	9	9	11	7	13	5	15	5	17	6
17	5	11	7	3	8	9	10	5	12	4	14	3	16	5	18	8
18	6	3	7	9	9	3	11	1	13	0	15	1	17	4	19	9
19	6	7	8	2	9	10	11	8	13	9	15	11	18	4	20	10
20	6	11	8	7	10	4	12	3	14	5	16	10	19	4	21	11
21	7	3	9	0	10	10	12	10	15	3	17	8	20	3	23	0
22	7	7	9	5	11	4	13	6	16	0	18	6	21	3	24	1
23	8	0	9	10	11	11	14	2	16	8	19	4	22	2	25	3
24	8	4	10	3	12	5	14	9	17	5	20	3	23	2	26	4
25	8	8	10	8	12	11	15	4	18	2	21	1	24	1	27	5
26	9	0	11	2	13	5	15	11	18	10	21	11	25	1	28	6
27	9	4	11	7	13	11	16	8	19	7	22	9	26	0	29	7
28	9	9	12	0	14	6	17	3	20	3	23	7	27	0	30	8
29	10	1	12	5	15	0	17	11	21	0	24	4	28	0	31	10
30	10	5	12	10	15	6	18	6	21	8	25	2	29	0	32	11

Length Feet.	17in. dia.		18in. dia.		19in. dia.		20in. dia.		21in. dia.		22in. dia.		23in. dia.		24in. dia.	
	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.
1	1	3	1	4	1	6	1	8	1	10	2	0	2	3	2	6
5	6	2	6	11	7	9	8	7	9	5	10	4	11	4	12	4
6	7	5	8	4	9	3	10	3	11	4	12	5	13	7	14	10
7	8	8	9	9	10	10	12	0	13	3	14	6	15	11	17	4
8	9	11	11	1	12	5	13	9	15	1	16	7	18	2	19	9
9	11	2	12	6	14	0	15	5	17	0	18	8	20	5	22	3
10	12	5	13	11	15	6	17	2	18	11	20	9	22	9	24	9
11	13	8	15	3	17	0	18	10	20	9	22	10	25	0	27	2
12	14	11	16	8	18	7	20	7	22	8	24	10	27	3	29	8
13	16	2	18	1	20	2	22	4	24	7	26	11	29	6	32	2
14	17	5	19	5	21	8	24	0	26	6	29	0	31	10	34	7
15	18	7	20	10	23	3	25	9	28	4	31	1	34	1	37	1
16	19	10	22	3	24	9	27	5	30	3	33	2	36	4	39	7
17	21	1	23	7	26	4	29	2	32	2	35	3	38	7	42	0
18	22	4	25	0	27	10	30	10	34	1	37	4	40	11	44	6
19	23	7	26	5	29	5	32	7	36	0	39	5	43	2	47	0
20	24	10	27	9	31	0	34	4	37	10	41	6	45	5	49	5

RULES TO ASCERTAIN THE CUBICAL CONTENTS OF A GROSS, THE SIZE OF ONE BEING GIVEN, ALSO THE PRICE TO BE SOLD AT TO REALISE A CERTAIN RATE PER CUBIC FOOT.

RULE 1.—Multiply the three sizes together, and the product will be cubical contents in feet, and by multiplying the result by the price to be realised per cubic foot, you will have the equivalent price per gross.

Example 1.—What should the selling price be of Fork Shafts 4½ feet long, 1½ × 1½ inch, to realise 4/6 cube, and what are the cubical contents of a gross?

Example 2.—What rate per gross must I sell Broom Squares 4 feet long, 2 × 2, to realise 2/ per cubic foot, inclusive of sawing, and what are the cubical contents of the same?

RULE 2.—Where the three sizes are in inches, it will be necessary to divide by 12, and where there are fractions this can readily be done in duodecimals by moving the position of the last multiplier one degree.

Example 3.—What are the cubical contents of a gross of Brush Heads, 10½ inches long, 2½ × 3½, and also the price at which to sell to ralise 4/ per cubic foot, including sawing?

Ex. 1.

4	6		
1	6		
4	6		
2	3	0	
6	9	0	
1	6		
6	9	0	
3	4	6	
10	1	6	cubic ft.
	@ 4/6		
40	6	0	
5	0	9	
45	6	9	

Say 45/6 per gross.

Ex. 2.

4	
2	
8	
2	
16	cubic ft.
@ 2/	per cubic ft.
32/	per gross.

Ex. 3.

10	3				
2	3				
20	6				
2	6	9			
23	0	9			
	3	6			
5	9	2	3		
	11	6	4	6	
6	8	8	7	6	cubic ft.
			@ 4/	per cubic ft.	
26	10	10	6	0	

Say 27/ per gross.

RULE 8.—To ascertain what an article costs per cubic foot at so much per gross. Divide the price per gross by the number of cubic feet.

Example 1.—If I give 12/ per gross for Hammer shafts $10\frac{1}{2}$ inches, $1\frac{1}{2} \times 1\frac{1}{2}$ inch, what is that per cubic foot, including sawing?

```
10  3
 1  6
-----
10  3
 5  1  6
-------
15  4  6
    1  6
----------
 1  3  4  6
    7  8  3  0
-------------
1  11  0  9  0  cubical contents.
```

```
1  11      12  0
   12          12
-----      -----
23  0  )144(6s. 3 3/23 d. per cubic
       138
       ---
         6
        12
        --
        72
        69
        --
         3
```

Example 2.—What is the price per cubic foot realised on Oak Treenails $2\frac{1}{4}$ feet long, $1\frac{3}{4} \times 1\frac{3}{4}$ inch, at 28/ per gross?

```
2  3
1  9
-----
2  3
1  8  3
-------
3 11  3
1  9
-------
3 11  3
2 11  5  3
-----------
6  10  8  3  cubic feet.
```

```
6  10      28
   12      12
-----      --
82  0  )336(4/ per cube.
       328
       ---
         8
```

USEFUL RULES FOR FACILITATING CALCULATIONS.

The methods of reducing lineal feet to Standards are various.

RULE 4.—Multiply the number of lineal feet by the breadth and thickness, and divide by 3, 11, 6, 30, 4.

RULE 5.—Multiply the number of lineal feet by the breadth and thickness, and divide by 12, 12, and the result will be cubic feet, and that divided by 165 will give the Standard quantity (5, 3 and 11, are equal to dividing by 165).

RULE 6.—Reduce all sizes to $1\frac{1}{2} \times 12$ either by addition to lineal feet or deduction from it, and taking 120 pieces 11 feet long to standard, *i.e.*, divide by 11, 30, 4.

RULE 7.—Reduce all sizes to 3×11 and deduct one-twelfth from lineal feet and divide by 4, 5, 3 and 11.

RULE 8.—Refer to Table I. for number of lineal feet contained in Standard of given size, and divide accordingly.

RULE 9.—Operate on lineal feet of respective sizes as directed in Table XVII.

RULE 10.—Having found the number of lineal feet, 1×1 inch of each size, by reference to Table XIV., multiply by number of pieces of each size and divide by 3, 11, 6, 30, 4.

RULE 11.—Divide the number of lineal feet 1×1 inch by 12, to which add 1 per cent. and divide the result by 2,000, *i.e.*, strike off three cyphers and divide by 2.

RULE 12.—In reducing 3×9 inches, as you have to multiply by 9 and divide by 6, this fraction $\frac{9}{6}$ is equal to $1\frac{1}{2}$, therefore simply add one-half to running feet, and divide by 11, 4, 30.

RULE 13.—To ascertain how many lineal feet in a Standard of any given size, divide 23,760 first by the width and then by the thickness.

Example.—1 Standard $2\frac{1}{2} \times 7$ inches, how many running feet ?

To multiply by $2\frac{1}{2}$ in: 2376·0 / 4 strike off a cypher and multiply by 4.

7)9504

$1357\frac{3}{7}$ number of lineal feet.

RULE 14.—To ascertain the number of lineal feet for 2 tons weight of deals divide 19,008 by the width and thickness.

Example.—How many feet $1\frac{1}{4} \times 7$ will make up two tons ?

1900·8 / 8

7)15206·4

$2172\frac{2}{10}$ number of feet required for 2 tons.

RULE 15.—To ascertain the number of cubic feet contained in any given number of running feet 3×11 inches, deduct one-twelfth from the number of running feet, and then divide by 4, and the quotient will be the cubical contents.

Example 1.—In 1,320 feet 3×11 inches, how many cubic feet?

12)1320
110
4)1210
302½ cubic feet.

Example 2.—In 900 feet 3×9 inches how many cubic feet?

900
9
11)8100
12)736 4/11
61 4/12 + 1 4/132 = 48/132 or 4/11
4)675
168¾ cubic feet.

RULE 16.—To ascertain the number of running feet in a Square—

4 inches wide	=	3 times the number of superficial feet	= 300
4½	,,	deduct ⅛th from running feet of 4 inches	= 266⅔
5	,,	deduct ⅓th ,, ,, 4 ,,	= 240
5½	,,	add 1/12th 6 ,,	= 218 2/11
6	,,	twice the number of superficial feet	= 200
7	,,	divide 1200 by 7	= 171½
8	,,	add half to number of superficial feet	= 150
9	,,	½ as many running feet as 4½ inches	= 133⅓

RULE 17.—To measure Standing Timber. When a tree stands so that the length of its shadow can be measured, its height can be readily ascertained by setting a stick upright, and as the length of the shadow of stick is to its height so is the length of the shadow of the tree to the height of the tree; or, multiply the length of the shadow of the tree by the height of the stick and divide by the length of the shadow of the stick.

Example.—Supposing the height of the stick be 5 feet and its shadow 6 feet, and the length of the shadow of the tree 25 feet, what is the height of the tree?

6 : 5 :: 25 :
5
6)125
20 feet 10 inches height of tree;

But when there is no shadow to assist you in your calculations it would be advisable, in the absence of a rod or short ladder, to screeve the tree, say at 6 feet, and walking backwards take a full view of the tree and judge the number of 6 feet lengths there are in it.

But after a little practice in this way it will be seen that shadow, rod and ladder can all be dispensed with (except in special cases), and your *eye becomes then your sure guide.*

Having found the length and girth, a reference to Table No. XVI. will give the readiest way of computing the contents. An allowance of 1 inch in 12 is usually allowed by Timber growers on thick-barked trees, as Poplar, Elm, &c.

RULE 18.—To calculate the actual amount of Profit realised.

Discount your *selling* price by the profit intended to be realised; thus, for example, if you wish to procure 15 per cent. profit on an article to be sold at £5; discount the £5 by 15 per cent., which leaves £4 5s., which is the price to be given to be sold at £5 in order to realise 15 per cent.

RULE 19.—To multiply by $1\frac{1}{4}$ add 1 cypher and divide by 8

,,	$2\frac{1}{2}$	,, 1	,,	4
,,	$3\frac{1}{3}$	,, 1	,,	3
,,	5	,, 1	,,	2
,,	10	,, 1 cypher	—	—
,,	$12\frac{1}{2}$	,, 2	,,	8
,,	$16\frac{2}{3}$	,, 2	,,	6
,,	20	,, 2	,,	5
,,	25	,, 2	,,	4
,,	50	,, 2	,,	2
,,	125	,, 3	,,	8
,,	250	,, 3	,,	4
,,	$1\frac{5}{8}$	add $\frac{1}{2}$, then $\frac{1}{4}$ of that.		
,,	$1\frac{7}{8}$	,, $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$		

RULE 20.—To divide by $1\frac{1}{4}$ strike off 1 figure and multiply by 8

,,	$2\frac{1}{2}$	,,	1	,,	,, 4
,,	$3\frac{1}{3}$	,,	1	,,	,, 3

and so on.

Wherever the multiplier or divisor forms an aliquot part of 10, 100 or 1000, it will be found easier to strike off one, two or three figures from the dividend, or add to the multiplicand, and multiply or divide by the aliquot part.

RULE 21.—To calculate Irregular Discounts.

Double the rate of Discount and multiply by it the amount to be discounted. Strike off the last figure in the product and the remainder will be the discount in shillings, then add one-fifth to the figure struck off for the pence.

Example No. 1.—What is the discount at $\frac{1}{2}$ per cent. off £85?

Example No. 2.—What is the discount at $1\frac{3}{4}$ per cent. off £106?

Ex. 1.

8, 5
1 = $\frac{1}{5}$th of remainder.
8, 6 = 8/6 Answer

Ex. 2.

106
$3\frac{1}{2}$
318
53
37,1
$\frac{1}{5}$
37 $1\frac{1}{5}$ £1 17 $1\frac{1}{5}$ Ans.

RULE 22.—Where the discount is 5 per cent., 10 per cent., and up, decimate the pounds for 10 per cent., take ½ for 5 per cent., ¾ for 7½ per cent., and so on, and double the remainder for shillings.

Example.—£85,0 @ 10°/₀ 2)£82,5 @ 5°/₀ 2)£41,5 @ 7½ °/₀

£85 0 0 41,25 2)20,75

£41 5s. 0d. 10,375

31,125

2

2,50 = £31 2s. 6d.

MENSURATION OF TIMBER.

RULE 23.—To find the square side of unequal sided Timber.

Multiply the two unequal sides together, and the square root of the product will be the answer.

Example.—A piece of timber measures at the end 7½ × 12. What is the square side?

7½ 90·00̇00̇(9·48 the required side.

12 81

90 184)900

736

1888)16400

15104

1296

In small Timber it may be near enough to add the two unequal sides together, and divide by 2 for the mean side.

7½ + 12 = 19½ ÷ 2 = 9¾

RULE 24.—To find the solidity of square or unequal sided Timber.

Multiply the breadth by the thickness and the product by the length; if in inches divide by 144.

Examples.—How many cubic feet in a piece of oak 13 feet long, 12½ × 13½?

Ex. 1.

13 6

12 6

13 6 0

6 9 0

14 0 9 0

13

15 2 9 9 0

Ex. 2.

13½

12½

162

6¾

168¾

add 1/12 14 1/12

12)182 1/12 3/4

15 2 1/12 3/4

Ex. 3.

13½

12½

162

6¾

168¾

13

2184

9¾

12)2193¾

12)182 9

15 2 9

RULE 25.—To find the cubical contents of round or unsquared Timber. The square of the quarter girth multiplied by the length and divided by 144 gives the answer.

Examples.—How many cubic feet in an Ash tree whose quarter girth is $10\frac{1}{2}$ inches and length 36 feet.

Ex. 1.—$10\frac{1}{2} \times 10\frac{1}{2} = 110\frac{1}{4} \times 36 = 3969 \div 144 = 27\frac{9}{16}$ cubic feet;

or, *Ex.* 2.—$10\frac{1}{2} \times 10\frac{1}{2} = 110\frac{1}{4} \div 4 =$ $27\frac{9}{16}$,,

Note.—Where there are two multiplications, as in duodecimals, you may avoid dividing by 144 by moving the multipliers one degree, as shown in *Ex.* 1, Rule 24.

The formulæ for calculating cubic contents of Round Timber are as follows:—

RULE 26.—1st, Custom-house calliper measure. The diameter in inches squared and multiplied by the length in feet, divided by 183, and the quotient gives the cubic contents.

This rule is useful where the tree is laid so that the tape cannot easily be got round it for girthing.

RULE 27.—2nd, String Measure. One-fourth of the circumference in inches squared and multiplied by the length in feet and divided by 113, the quotient is the cubic contents.

3rd, the erroneous way of calculating for String Measure, 144 as the divisor, as Rule 25.

Suppose a larch pole, 36 feet long, 6 inches calliper at centre; it would be taken as 36 feet 6 × 6 inches, which, if square, would contain 9 cubic feet, but, being round, should be multiplied by ·7854, which would give the contents at 7·0686, or say 7 cubic feet, or by Custom-house calliper method, $7\frac{5}{81}$ cubic feet.

RULE 28.—No 4, Taking the mean diameter and squaring it, then multiplying by the length and dividing by 233, that divisor being equal to 144 for the $\frac{1}{4}$ grith.

The reason 113 is used as divisor (or, more correctly, 113·0973) is because it is the square of one-fourth of 42·58889, the circumference of a circle equal practically in area to a square of which the side is 12.

The reason 183 (or, more properly, 183·34) is used in the first Rule, is that it is the square of the diameter of a circle of which the area is 144 superficial inches.

If 144 is the divisor in cubic measure, the loss in the contents is 27 per cent. to the seller (unless the method of measurement is understood and agreed upon); but if 113 it is correct, which brings it up to the calliper measure.

The area of a circle is ·7854 of the square of its diameter, or $\frac{11}{14}$ths of the square of the diameter.

Ratio of diameter to $\frac{1}{4}$ girth = 11 to 14, so that a tree 14 in. across it would be just 11 in. girth.

·07958 of the square of the circumference gives the area.

RULE 29.—To find the number of superficial feet in a Log.

Multiply the breadth by the depth in inches and the product by the length in feet, and divide by 12 for the superficial contents.

Example.—Suppose a Log of Mahogany 18 ft. long, 23 × 17 in., how many superficial feet in it?

23 × 17 = 391 × 18 = 7038 ÷ 12 = 586½ sup. ft.
or 23 × 17 = 391 × 1½ = 586½ „

RULE 30.—To ascertain the price per Standard of 3 × 11.

Reckon three times as many pounds as there are pence in the price per foot.

Example.—3 × 11 s. @ 4½d. per foot = 13 10 0 standard.

This rule, however, only applies to the above size.

RULE 31.—To calculate the parts of a Standard.

Reckon twice as many pence as there are pounds in the price, to each part.

Example.

10 17 6
2
21 15 0 = 21¾

13 × 21¾ = 1 3 6
⅝ × 21¾ = 1 6

St. 1 3 13⅝ @ £10 17 6 per St.

½	5	8	9
¼	2	14	4½
13 pts.	1	3	6¾
⅝		1	6
	£20	5	8¼ Ans.

RULE 32.—To calculate the average date of Invoices.

Multiply the successive amounts by the respective number of days from the date the goods were got to the last date of Invoice and divide the aggregate by the total amount of account. The number of days can be ascertained readily from Table XXIX.

Example.

			£	s.	d.		£	Days	
1883.									
Sept. 14.	Deals, &c.	... ...	15	18	6	say	16	× 164 = 2624	
Oct. 26.	„	... ...	12	1	6	„	12	× 122 = 1464	
Nov. 13.	„	... ...	11	9	0	„	11	× 104 = 1144	
Dec. 21.	„	... ...	9	9	6	„	9	× 66 = 594	
							26	× 38 = 988	
1884.									
Jan. 18.	„	... ...	25	12	0			105)6814(65 nearly,	
Feb. 25.	„	... ...	31	2	6			630 say 65 days.	
			105	13	0			514	

65 days from Feb. 25, 1884 = December 22, 1883, so that on four months' *terms the whole would be* due April 22, 1884.

RULE 33.—Short method of calculating Superficial Measure. Square the dimensions by taking off the fractions from the length and adding to the breadth, or *vice versâ*, then treat them as *s* and *d*, and for

12½	in.	add	$\frac{1}{12}$th	to the length or breadth	
13	,,	,,	$\frac{1}{12}$th	,, ,,	
13½	,,	,,	$\frac{1}{8}$th	,, ,,	
14	,,	,,	$\frac{1}{6}$th	,, ,,	
14½	,,	,,	$\frac{1}{6}$th	,, ,,	and add 1 in. in every 12 ft.
15	,,	,,	$\frac{1}{4}$th	,, ,,	
15½	,,	,,	$\frac{1}{4}$th	,, ,,	and add 6 in. in every 12 ft.
16	,,	,,	$\frac{1}{3}$rd	,, ,,	
16½	,,	,,	$\frac{3}{8}$ths	,, ,,	
17	,,	,,	$\frac{5}{12}$ths	,, ,,	
17½	,,	,,	$\frac{5}{12}$ths	,, ,,	and add 6 in. in every 12 ft.
18	,,	,,	$\frac{1}{2}$	,, ,,	

Examples.

12 feet × 12 inches = 12 feet superficial contents

12½ ,, × 12½ ,, = 12 ,, × 12½ = 12½ feet.

12½ ,, × 12½ ,, = 12 ,, × 13 = 13 ,,

12¾ ,, × 12¼ ,, = 12 ,, × 13 = 13 ,,

13 ,, × 13 ,, { = 13 ,, × 12 = 13 0 / = 13 ,, × 1 = 1 1 } 14 1 0

13¼ ,, × 13¼ ,, = 13 ,, { × 13½ = 13 0 0 / + ⅛th = 1 7 6 } 14 7 6

13½ ,, × 13½ ,, = 13 ,, { × 14 = 13 0 / + ⅛th = 2 2 } 15 2 0

13¾ ,, × 13¾ ,, = 13 ,, × 14 = 15 2

14 ,, × 14 ,, = say 14d. = 1 2 14 0

$$\frac{2}{2\ 4} \text{ or } \frac{1\ 2}{14\ 0} \text{ or } +\tfrac{1}{8}\ \frac{14}{2\ 4}$$

$$\frac{7}{16\ 4} \qquad \frac{2\ 4}{16\ 4} \qquad \frac{}{16\ 4}$$

15 ,, × 15 ,, = 15 ,, + ¼ = 18¾

15 ,, × 15½ ,, = 15½ ,, + ¼ = 19 4½

17 ,, × 17 ,, = { 17 ,, × 12 = 17 0 / 17 ,, × 5 = 7 1 } 24 1

RULE 34.—Short method of cubing Timber.

Reduce the dimensions to whole numbers and aliquot parts of 12, and proceed as in duodecimals or fractions.

Examples. 13 × 15 × 15 = 13 × 1¼ × 1¼; 13 × 1¼ = 16¼ × 1¼ = cubic feet 20 3 9

16 × 16 × 16; 16 × 1⅓ = 21 feet 4 × 1⅓ = cubic feet 28 5 3

17 × 14 × 13; 17 × 1⅛ = 19 ,, 10 × 1 1/12 = ,, 21 5 10

25 × 15 × 14; 25 × 1¼ = 31 ,, 3 × 1⅛ = ,, 36 5 6

RULE 35.—To ascertain price per 12 feet 3×9 inches, being the London and Irish standard deal at a certain price per standard of 120 pieces, also the rate per cubic foot at same price.

Call the pounds in the price pence and multiply by 2 for the price per piece, then multiply the price per piece by 4, and divide by 9 for the value per cubic foot.

Examples.—At £15 15s. per L. & I. standard, how much per piece 12 feet 3×9 inches, and also per cubic foot?

$15\frac{3}{4}$ inch × 2 = 2s. $7\frac{1}{2}$d. per piece.
2s. $7\frac{1}{2}$d. × 4 = 10s. 6d. ÷ 9 = 1s. 2d. per cubic foot.

At £20 11s. 6d. per L. & I. standard, what price is it per cubic foot and per length of 12 feet 3×9.

$20\frac{7}{8}$ × 2 = 3s. $5\frac{3}{4}$d. per piece.
3s. $5\frac{3}{4}$d. × 4 = 13s. 11d. ÷ 9 = 1s. $6\frac{5}{9}$d. per cubic foot.

RULE 36.—Ready method of reckoning how many squares are contained in a specification of flooring.

Call one of the factors pence, whichever will divide easily, and multiply by the other, and the total of the results, multiplied by the breadth of the boards, will give the number of superficial feet; then strike off two figures for the squares required.

Example.—Required the number of squares in the following specification:—

18	23 feet	=	34	6	1×7 inches.
72	20 ,,	=	120	0	
30	19 ,,	=	47	6	
65	18 ,,	=	97	6	
108	17 ,,	=	153	0	
111	16 ,,	=	111	0	
			37	0	
220	15 ,,	=	220	0	
			55	0	
180	14 ,,	=	180	0	
			30	0	
240	13 ,,	=	260	0	
195	12 ,,	=	195	0	
108	11 ,,	=	99	0	
			1639	6	
				7	
			11476	6	Ans. 114 sq. 76½ sup.

RULE 37.—To ascertain standard quantity in so many Loads.

Add one cypher to the number of loads and divide by 3 and 11.

Example.—In 1,500 loads how many standards?

3)15000
11)5000
$454\frac{7}{11}$ standards.

MISCELLANEA.

A Petersburg Standard is 120 × 6 ft., 3 × 11 in., and contains 165 cubic feet, being a little more than three-quarters of a fathom.

An Irish Standard is 120 × 12 ft, 3 × 9 in., and contains 270 cubic feet.

A London Standard is 120 × 12 ft., 3 × 9 in. deals.

A Swedish Standard deal is 14 ft., 3 × 10 in.

A Norwegian Standard deal is 12 ft., 3 × 9 in.

A Fathom is 6 feet cube, or 216 cubic feet, so that a Rully 12 feet long and 6 feet broad and laden 3 feet high contains a fathom.

A Cord of wood measures 8 ft. × 4ft. × 4 ft., and contains 128 cubic feet.

A Stack of wood measures 12 ft. × 3 ft. × 3 ft., and contains 108 cubic feet, being just half a fathom.

600 square feet 1 in. boards equals 1 load of 50 cubic feet.
400 ,, 1½ in. ,, ,, ,, ,,
300 ,, 2 in. ,, ,, ,, ,,
200 ,, 3 in. deals ,, ,, ,,
150 ,, 4 in. ,, ,, ,, ,,
218 running feet 3 × 11 deals ,, ,, ,,
267 ,, 3 × 9 ,, ,, ,, ,,
343 ,, 3 × 7 ,, ,, ,, ,,

A Stock comprises 1 × 3 in. deal, with

2 cuts making 3 × 1 in. boards.
3 cuts ,, 4 × ¾ in. ,,
4 cuts ,, 5 × ½ in. ,,
5 cuts ,, 6 × ⅜ in. ,,
6 cuts ,, 7 × ¼ in. ,,

A Bundle of Plaster Laths contains 360 running feet, and will cover 3½ square yards.

A Standard Hundred being 120 is accountable from the fact that the Importers reckon six score to the 100, on the same principle as Publishers give 13 to the dozen.

Fir Timber is carried at 50 cubic feet to a ton.
Hardwood is carried at 40 cubic feet to a ton.
Labour on Fir Timber at 1s. 6d. per load.
Labour on Deals at 2s. per Standard.
Labour on Sawn Deals at 2s. 8d. per Standard.
Labour on Hardwood Timber at 2s. 8d. per load.

Lathwood is generally stacked in Fathoms of 216 cubic feet, and otherwise in piles measuring 6 ft. × 6 ft. × 8 ft., containing 288 cubic feet.

A Bundle of Rock Laths contains 20 × 1 in. square.
1 × 3 × 11 in. deal with 2 cuts and 9 rips make 30 laths.
1 × 3 × 9 in. ,, 2 cuts and 7 rips make 24 laths.
1 × 3 × 7 in. ,, 2 cuts and 5 rips make 18 laths.

For rough calculation, a square of 1 in. Flooring Boards may be reckoned at $\frac{1}{10}$th of a Standard, so that at 10s. per square, a Standard, may be computed at £10, which is only 1% more than the true value.

In ordering Flooring Boards, allowance of $\frac{1}{2}$ in. should be made in each board for loss in breadth through grooving, tonguing, and waste.

A Mille of Staves is 120 pieces.

Trieste, New York, Pipe. Hogshead and Barrel, and Quebec and West Indian Puncheon Staves, are sold by 120 as they are.

Quebec Pipe Staves, which vary in thickness from 3 to 1 in., are sold by the Mille, 1½in. standard, one-fifth being added to the price for every $\frac{1}{2}$ in. under 1½ in. Memel and Danzig Staves are sold by the Mille of Pipe, whether 3 in., 2½ in., 2 in., or less, the thickness governing the price, and the shorter lengths, called Brandy Hogshead, Barrel, Long and Short Heading, are taken at $\frac{2}{4}$, $\frac{3}{5}$, $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ of Pipe, respectively.

Baltic Staves	66—72	inches.
Quebec ,, ...	64 - 72	,,
New York	54—64	,,
Butts	66	,,
Southern States	53	,, and up.

Fiume and Trieste Staves are thinner and more evenly made than New York, which are rougher and more bevelled. Quebec are inferior to Baltic but better than New York.

Memel Staves are generally considered the best in the trade, and seasoned Staves are much preferred to fresh imported.

There are full-sized and under-sized Staves in all kinds, and sometimes they are shipped together and sometimes separate.

TABLE OF CONTENTS.

Table No.		Page
1.	Showing No. of Running Feet in a Petersburg Standard—500 sizes	5
2.	No. of Deals and Battens in a Petersburg Standard	9
3.	Price per Standard at per Foot run	11
4.	Comparative Price per Cubic Foot Petersburg, London and Irish Standards, Fathom, Ton, and Load	16
5.	No. of Deal Ends in a Fathom	17
6.	Price per Superficial Foot at per Cubic Foot and per Standard	17
7.	No. of Running Feet in a Square, and Price per Square at per Foot	18
8.	No. of Running Feet in a Square Yard, and Price per Square Yard at per Foot	18
9.	Price per Standard at per Square	19
10.	Price per Standard at per Square Yard	20
11.	Number of Superficial Feet in a Standard of Flooring, and Price per Square at per Standard	21
12.	Price per Fathom at per Standard	21
13.	Price per Foot run of Scantling at per Cubic Foot	22
14.	No. of Running Feet 1 by 1 in. in a Standard of Various Sizes to facilitate the reducing to Superficial Feet, Cubic Feet and Standards	24
15.	Superficial Area in Yards and Feet, from Length and Breadth, in Feet and Inches	27
16.	Ready Method of ascertaining Cubical Contents of Round or Square Timber from Quarter Girth or Square Side	29
17.	Ready Method of Operating with Running Feet to reduce to Standards	30
18.	Petersburg Standard 100 of Various Sizes Reduced	30
19.	Cost of Deals of a given quantity at any price per Standard	31
20.	Cost of Sawing of 11 in. Deals at given Rates per 100 Superficial Feet	34
21.	Cost of Sawing of 9 inch	35
22.	Cost of Sawing of 7 inch Battens	36
23.	Cost of Sawing of Timber	37
24.	Cost of Carriage per Standard, Fathom, Square, and Plaster Laths per 150 at per ton, including 5 per cent. Interest and usual Labourage added at a given rate per ton	38
25.	Cost of Pantile and Slate Laths per Standard at per Running Foot of Bundles of 20 Laths each	39
26.	Specific Gravities of Wood	40
27.	Discount Rates	40
28.	New Method of Calculating Interest	41
29.	No. of Days from one time to another	41
30.	Calendar for 100 years	42

TABLE No.		PAGE
31.	Selling Price in order to realise a certain Percentage of Actual Profit at a Given Cost	43
32.	165th Parts of a Petersburg Standard	45
33.	100th Parts of a Petersburg Standard	46
34.	1000th Parts of a Petersburg Standard	46
35.	Average Rate of Carriage per Mile per Ton, and per Standard	47
36.	Actual Weight of Various Articles	47
37.	Foreign Currency compared with British at Present Rates of Exchange	48
38.	For Cubing Pitprops by the 113 divisor (Customs Measure) from the ¼ girth	49
39.	For Cubing Pitprops by the 183 divisor (Customs Measure) from the diameter	49
40.	Cubical Contents of Round Timber from diameter by the divisor 233	50
RULE.		
1, 2.	To ascertain the Cubical Contents of a Gross, the size of one being given, also the Price to be Sold at to realise a Certain Rate per Cubic Foot	51
3.	What an Article Costs per Cubic Foot at so much per Gross	52
4–12.	Nine Different Methods of Reducing to Standards	53
13.	How many Running Feet in a Standard of given size	53
14.	No. of Lineal Feet for Two Tons Weight	53
15.	No. of Cubic Feet contained in any given number of Running Feet, 3 by 11 in.	54
16.	No. of Running Feet in a Square.	54
17.	To Measure Standing Timber	54
18.	To Calculate Actual Amount of Profit	55
19.	To Multiply by $1\frac{5}{8}$, $1\frac{7}{8}$, $1\frac{1}{4}$, $2\frac{1}{2}$, $3\frac{1}{3}$, 5, 10, $12\frac{1}{2}$, $16\frac{2}{3}$, 20, 25, 50, 125 and 250	55
20.	To Divide by ditto ditto ditto	55
21, 22.	To Calculate Regular and Irregular Discounts	55
23–28.	Mensuration of Timber	56
29.	To find the number of Superficial Feet in a Log	58
30.	To ascertain the Price per Standard of 3 by 11 at per Foot	58
31.	To reckon the parts of a Standard at a certain rate per Standard	58
32.	To ascertain the Average Date of Invoices	58
33.	Short Method of Reckoning Superficial Measure	59
34.	Short Method of Cubing Timber	59
35.	To ascertain the Price of 12 ft. 3 in. by 9 in. at per London or Irish Standard, and also Rate per Cubic Foot	60
36.	Ready Method of Reckoning how many Squares in a Specification of Flooring	60
37.	Quick Way of Ascertaining Standard Quantity in so many Loads	60
	Miscellanea	61

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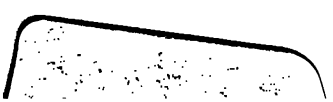
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